



ADVISORY CIRCULAR 43–16A

AVIATION MAINTENANCE ALERTS



ALERT NUMBER 292



NOVEMBER 2002

CONTENTS

AIRPLANES

BEECH	1
CESSNA	
MAULE	9
MOONEY	9
PIPER	10
HELICOPTERS	
BELL	14
EUROCOPTER	15
POWERPLANTS AND PROPELLERS	
TELEDYNE CONTINENTAL	15
ACCESSORIES	
JANAERO DEVICES COMBUSTION HEATER	15
PARKER HANNIFIN (AIRBORNE) VACUUM PUMP INSTALLATIONS	16
AIR NOTES	
IDENTIFYING PART NUMBERS	16
A TRIBUTE TO THE FORGOTTEN MECHANIC	17
SUBSCRIPTIONS	
ELECTRONIC VERSION OF MALFUNCTION OR DEFECT REPORT	
SERVICE DIFFICULTY REPORTING PROGRAM	19
ADDRESS CHANGES	20
IF YOU WANT TO CONTACT US	
AVIATION SERVICE DIFFICULTY REPORTS	21

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WASHINGTON, DC 20590

AVIATION MAINTENANCE ALERTS

The Aviation Maintenance Alerts provide a common communication channel through which the aviation community can economically interchange service experience and thereby cooperate in the improvement of aeronautical product durability, reliability, and safety. This publication is prepared from information submitted by those who operate and maintain civil aeronautical products. The contents include items that have been reported as significant, but which have not been evaluated fully by the time the material went to press. As additional facts such as cause and corrective action are identified, the data will be published in subsequent issues of the Alerts. This procedure gives Alerts' readers prompt notice of conditions reported via Malfunction or Defect Reports. Your comments and suggestions for improvement are always welcome. Send to: FAA; ATTN: Designee Standardization Branch (AFS-640); P.O. Box 25082; Oklahoma City, OK 73125-5029.

AIRPLANES

BEECH

Beech; Model F-33A; Bonanza; Aileron Control System Defect; ATA 2710

In the process of a scheduled inspection, a technician discovered an aileron control cable was severely damaged.

The cable (P/N 35-524314-22) was worn and frayed to the point of imminent failure. The damage was located adjacent to a pulley assembly. The pulley bearing was "frozen" and would not allow the pulley to rotate during cable movement.

The submitter recommended the manufacturer consider using pulleys with "sealed" type bearings for all flight control installations. The flight control cables and pulleys should be given very close attention at every opportunity.

Part total time-2,552 hours.

Beech; Model G-35; Bonanza; Magneto Failure; ATA 7414

The pilot reported that the engine right magneto failed during a preflight runup check.

A technician investigated the magneto failure and discovered the impulse coupling spring was broken. He could not determine why the spring failed; however, he noticed the "P-lead" was spliced to the ground wire. The spliced connection was very poor and loose causing "intermittent" failure and operation of the magneto (Slick Model number 6379).

The submitter speculated the previous installer, for undetermined reasons, spliced the "P-lead" to the ground wire. The previous installer could not be identified. Although the magneto had accumulated only a few hours, the submitter speculated it had been removed for maintenance just prior to this occurrence. It would have been far better if the connection between the "P-lead" and ground had been made solid. Then the magneto would not have functioned at all!

Part total time-18 hours.

Beech; Model 58; Baron; Landing Gear System Failure; ATA 3230

During a landing approach, the pilot selected the landing gear to the "down" position; however, the landing gear did not respond. With great difficulty, he was able to lower the gear using the emergency-extension system and made a safe landing.

A technician investigated the problem and discovered the emergency-extension handle was badly deformed. Apparently, while attempting to lower the gear, the pilot applied sufficient force to deform the handle. When the technician placed the aircraft on jacks and tried to duplicate the discrepancy, he discovered the gear actuation motor was defective. He could only operate the emergency-extension handle when the gear motor was removed.

Investigating further, the technician found the gear motor commutator and winding insulation were melted together due to excessive heat. This damage caused internal friction sufficient to impede the emergency extension of the gear. In addition, he replaced the gearbox worm drive gear because the "slot" was damaged during the use of the emergency-extension system.

The manufacturer recommends replacing the gear motor each 2,000 hours of operation; however, the submitter urged a more aggressive inspection and time change schedule.

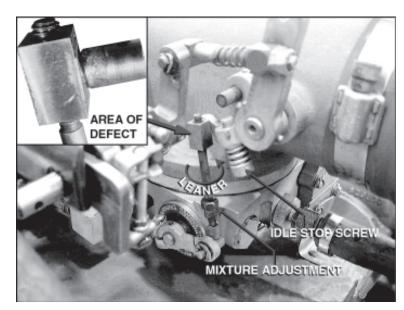
Part total time-1,774 hours.

Beech; Model 58P; Baron; Engine Control Failure; ATA 7603

After returning from a flight, the pilot reported the left engine throttle was binding and difficult to move.

An investigation by a maintenance technician revealed severe galling on the mixture-control adjustment rod. The galling occurred where the rod attaches to the "throttle and control assembly" (P/N 640791A5) lever. (Refer to the illustration.) There was a significant amount of metal transfer, which prevented full movement of the throttle control.

The submitter stated it "appeared the throttle lever was made from a different type of material." He recommended that technicians closely examine the mixture-control rod assembly during scheduled inspections.



Part total time-100 hours.

Beech; Model E90; King Air; Flight Control Defect; ATA 5523

During a scheduled inspection, a technician discovered the elevator trim tab was cracked.

The crack was located in the upper inboard aft corner of the right elevator trim tab skin (P/N 50-610017-22) and protruded forward and aft from a countersunk rivet. The crack traveled approximately .35 inch in each direction from the rivet hole. Due to the extent of the damage, the technician replaced the trim tab (P/N 50-610017-36) skin.

The submitter gave no cause for this defect, although it may have been related to the high number of operating hours.

Part total time-6,558 hours.

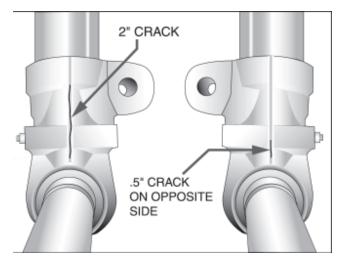
Beech; Model 100; King Air; Main Landing Gear Defect; ATA 3213

During a scheduled inspection, a technician removed and disassembled both main landing gear assemblies for nondestructive inspection (NDI).

The NDI revealed a crack indication on both sides of one main gear piston/axle assembly (P/N 50-810318). One of the crack indications was approximately 2 inches long and the other was approximately .5 inch long. (Refer to the illustration.)

The submitter recommended that all concerned technicians give special attention to this area at every opportunity.

Part total time-1,546 hours.



Beech; Model 300; King Air; Electrical System Short Circuit; ATA 3310

After completing a special inspection, the technician reinstalled the right circuit breaker lighted panel and prepared for an operational test of the "lighted edge panel." During the system test, he applied electrical power to the aircraft and noticed the "#2 Avionics Hot Bus," 25-amp circuit breaker (CB-92) "tripped open" when the "#2 Avionics Master" switch on position was selected.

While troubleshooting this problem, the technician discovered a panel screw shank penetrated the wire (P65A10) insulation. The wire was improperly routed directly behind a panel screw nut plate. Contact between the screw (P/N MS35214-28) shank and the wire was not severe; however, repeated removal and reinstallation of the panel screws eventually wore through the wire insulation.

The submitter recommended that technicians reroute the wire to provide adequate clearance between the screw shank and the wire insulation.

Part total time-3,210 hours.

Beech; Model 1900C; Airliner; Engine Fuel Leak; ATA 2820

While preparing for a flight, the pilot noticed fuel leaking from the inboard side of the left engine and asked maintenance personnel to investigate.

A technician discovered the fuel was coming from the "low pressure" fuel pump valve cover drain. He replaced the fuel pump (Lear Seigler/Romec P/N 114-389042-5, RG37060A) and approved the aircraft for return to service.

The technician disassembled the pump and found the diaphragm (P/N RA5326), in the "pressure adjusting valve," was punctured. Investigating further, he discovered the diaphragm control plate (P/N RA531), which contacts the diaphragm, did not conform to the manufacturer's design drawing. The finish of the outer circumference of the plate had sharp edges, which wore through the rubber diaphragm.

The submitter stated this is a continual problem with this particular fuel pump. It is recommended that technicians be aware of this problem and report all discrepancies via FAA Form 8010-4, Malfunction or Defect Report (M or D). All M or D reports are entered into the FAA, Service Difficulty Reporting (SDR) Program data base and are made available to the public on the Internet.

The Internet address is: http://afs600.faa.gov. When the page opens, select "AFS-620, Data Search, SDR Info." When the next page opens, select "Query SDR Data" and design your search criteria. (Note: Do not use dash(es) when using part numbers.) Using this system, you will find there are 16 additional reports concerning the fuel pump described in this article.

Part time since overhaul-1,365 hours.

Beech; Model 1900C; Airliner; Aileron Yoke; ATA 2710

While performing a scheduled inspection, a technician found a cracked aileron yoke.

The right aileron yoke, (P/N 118-521024-9) was cracked on one side. The crack was adjacent to the taper pinhole and appeared to follow the grain of the metal. This component was inspected at least once within the previous 2,000 hours and no damage was found at that time.

This is the third similar failure that the submitter has identified in recent months.

Part total time- 30,175 hours.

Beech; Model 1900C; Airliner; Landing Gear Arm Defective; ATA 3233

During landing gear removal, a technician found a main landing gear arm defective.

The arm (P/N 114-810026-1), which attaches to hydraulic actuator, had a broken ear. (Refer to the illustration.)

The submitter believes the damage occurred when an incorrect bolt was used during the original installation.

Part total time not reported.



CESSNA

Cessna; Model 150; Carburetor Defect; ATA 7322

During a training flight, the instructor demonstrated the engine leaning process. He pulled the mixture control out until engine roughness occurred and attempted, without success, to enrich the mixture. This resulted in an emergency landing due to loss of engine power.

A technician inspected the carburetor (Precision MA-3SPA) and found that the mixture control lever moved without movement of the mixture control metering valve (P/N 242-514). It appeared the metering valve was seized. While disassembling the carburetor, he found it was very difficult to separate the bowl from the throttle body due to an extremely tight fit of the valve assembly. Also, he found score marks on the valve assembly.

The submitter speculated the failure might have been caused by improper fit of the metering valve components when they were previously installed.

Part total time-42 hours.

Cessna; Model 172R; Skyhawk; Fuel Leak; ATA 2810

While conducting a scheduled inspection, a technician noticed a fuel stain on the underbelly of the aircraft.

The fuel stain was in the area just below the fuel selector valve, and the technician suspected it was the leak source. He removed the cabin floor and enough upholstery to gain access to the area. He removed the fuel selector valve and the fuel reservoir tank (P/N 0516009-18), but there was no problem with the fuel selector valve. He purged the reservoir tank and performed a pressure test that revealed a crack approximately .75 inch long in a welded seam of the reservoir tank.

The submitter speculated this crack was the result of a manufacturing defect.

Part total time-313 hours.

Cessna; Model 172R; Skyhawk; Alternator Failures; ATA 2421

After experiencing several alternator failures in a fleet of like aircraft, a technician submitted seven Malfunction or Defect reports.

The technician believes there is a systemic problem with the alternators (Aeroelectric P/N 9910591-11). He stated, "The alternators usually operate between 100 and 600 hours before they fail." It seems that, for an undetermined reason, the resistance in the field circuit increases to the "mega-ohm" range causing alternator failure.

Some of the seven reported failures occurred on the same aircraft, but all the involved alternators had different serial numbers. The warranty prohibits disassembly of the alternator and prevented the submitter from determining the exact cause of failure.

If you experience similar alternator failures, please report the occurrence by describing the failure on FAA Form 8010-4, Malfunction or Defect Report (M or D). You will find a copy of the M or D form on the last page of this publication. These reports are entered into the FAA Service Difficulty Program data base, which is available on the Internet.

Part total times-596, 547, 530, 470, 280, 258, and 116 hours.

Cessna; Model 177RG; Cardinal; Nose Landing Gear Defect; ATA 3230

During an annual inspection, technicians conducted a landing gear retraction test.

During the test, the nose gear would not fully retract. The technician discovered the bellcrank (P/N 2043031-12) was "over center," causing the roller (P/N 2043033-2) to miss the uplock hook and restricting the up travel of the nose gear. Also, the retract spring (P/N 1414116-2) was stretched and did not provide adequate tension. He replaced the spring and the nose gear retracted properly during another gear retraction test.

The submitter stated this defect allowed the nose gear to remain partially out of the gear well, and the gear doors remained open approximately 30 degrees. This defect could lead to failure of the nose gear doors and possible jamming of the nose gear.

Part total time-2,867 hours.

Cessna; Model 182; Skylane; Smoke in the Cockpit; ATA 2460

During a flight over mountainous terrain, the pilot turned on the instrument lights; and a large quantity of smoke filled the cockpit. He turned off the electrical system master switch and landed at the nearest available airport.

A technician investigated the pilot's report and found that the instrument light control was defective. The rheostat assembly (P/N 0413126-7) windings and the contact arm were severely heat damaged by electrical arcing and burning. Also, the rheostat case was burned through. It is interesting to note that the instrument light circuit breaker did not open and was later determined to be defective.

The rheostat/switch is mounted to a plastic trim panel. The mounting hole was "egg-shaped," which compromised security and prevented the button from popping out. The submitter recommended that technicians remove the switchback to check for signs of arcing and condition during scheduled inspections.

Part total time-3,026 hours.

Cessna; Model 402C; Businessliner; Landing Gear Failure; ATA 3213

During a landing, the left main landing gear lower strut and wheel assembly separated from the aircraft.

Investigating the incident, a technician determined that the upper and lower torque links separated. The bolt that secures the torque links was missing. He speculated that the cotter pin (P/N MS24665-153) failed, allowing the nut to loosen and separate from the bolt due to operational vibration. The bolt then vibrated out of the torque links.

The submitter recommended that technicians closely inspect the torque link cotter pins for security, condition, and wear at every opportunity.

Part total time not reported.

Cessna; Model 421C; Golden Eagle; Oxygen System Leak; ATA 3610

After returning from a flight, the pilot reported the oxygen system was depleted.

A technician inspected the oxygen system, located in the nose baggage area, and found that a supply line (P/N 5100109-37) had chafed against the "ram air duct support coil." The chafing action wore a hole in the oxygen line causing depletion of the oxygen supply.

The submitter stated this was the third such occurrence he was involved with. He stated that while inspecting the line on the ground, it appears there is adequate clearance. However, he believes the ram air duct and the oxygen line contact each other during flight.

Part total time not reported.

Cessna; Model 650 Citation; In-Flight Loss of Hydraulic Pressure and Quantity; ATA 2912

After a safe emergency landing, the pilot reported losing normal hydraulic system pressure and quantity. He also reported the aircraft was approximately 1,100 pounds overweight, but the landing was "soft."

Investigating the incident, a technician gained access to the aileron bellcrank area and discovered the compartment was "full of hydraulic fluid." He cleaned the area, serviced the hydraulic reservoir, and pressurized the system. He found hydraulic fluid leaking from the aileron boost actuator filter housing area. He removed the filter assembly and found that the fluid was leaking past the "O-ring" seal (P/N MS28778-4). The "O-ring" seal had a "nick" large enough to allow hydraulic fluid to escape. After installing a new "O-ring" seal, the hydraulic system functioned properly. He did not offer a cause for this defect.

The submitter performed an "overweight-landing" inspection, found no defects, and approved the aircraft for return to service.

Part total time-388 hours.

Cessna; Model 650; Citation; Suspect Fuel System Seals; ATA 2820

During a scheduled inspection, a technician discovered fuel seeping from a sump drain.

The technician replaced the fuel sump drain "O-ring" seal to correct the problem. He stated it appears the "O-ring" seal (P/N MS29513-010) was "dry rotted and had several cracks." He also questioned whether the "O-ring" material was compatible with exposure to aviation fuel.

The FAA, Service Difficulty Reporting Program data base contains three additional similar reports.

Part total time not reported.

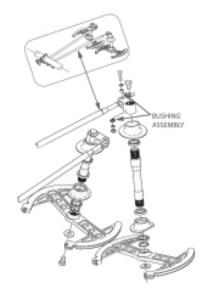
Cessna; Model 750; Citation; Difficult Movement of the Elevator; ATA 2730

After returning from a flight, the crew reported the "elevator felt abnormally stiff."

The technician discovered the elevator push-pull tube on the copilot's side was binding during movement. He disassembled the tube rod-end and discovered that the two-part bushing (P/N 6760312-17 and P/N 6760312-25) was "frozen" to the bolt. (Refer to the illustration.) After he replaced the bushing assembly, the elevator system functioned normally.

The submitter suggested it would be wise to inspect this area closely at every opportunity.

Part total time-3,161 hours.



MAULE

Maule; Model M-5-235C; Lunar Rocket; Flight Control System Failure; ATA 2720

While landing, with the wind directly down the runway, the pilot lost directional control of the aircraft. This event culminated in a "ground loop" and caused damage to the aircraft.

The technician discovered the left rudder cable (P/N 3177-29) had failed at the aft "Nicopress" sleeve. The loss of rudder control caused the loss of directional control and the "ground loop." He examined the rudder cable and did not find any evidence of corrosion. The swaged attachment sleeve was previously inspected in accordance with Airworthiness Directive (AD) 2000-09-06.

The submitter recommended that technicians rigorously adhere to the requirements of AD 2000-09-06 as well as other flight control terminals.

Part total time-1,660 hours.

MOONEY

Mooney; Model M20C; Ranger; Corrosion of Structural Members; ATA 5741

During an annual inspection, the inspector discovered severe structural corrosion.

The corrosion was evidenced by exfoliation of the wing carry-through spar. The most severe exfoliation of corrosion products was on the top of the spar cap.

The submitter stated this aircraft was stored outside and was not operated very often. He gave no cause or cure for this defect.

Part total time not reported.

Mooney; Model M20K; Flight Control System Defect; ATA 2731

During a flight, the pilot adjusted the elevator trim and experienced a severe uncommanded nosedown attitude. He was able to gain control of the aircraft and landed safely.

A technician discovered the elevator trim switch (P/N 200-1902-02) had "stuck" in the nosedown position. After he removed and replaced the trim switch, the system operated properly during a functional test.

Part total time not reported.

PIPER

Piper; Model PA 23-250; Aztec; Right Main Landing Gear Hydraulic Line Failure; ATA 3200

During an approach for landing, the landing gear failed to extend either normally or when the pilot used the hand pump.

The pilot extended the landing gear by using the emergency blow-down extension system. The nose and right main gear did not extend; however, the left main gear extended. The aircraft sustained substantial damage.

A technician inspected the aircraft and discovered the right main landing gear down line in the nacelle had failed at the sleeve/flare area.

Piper; Models PA-24 and PA-30; Comanche and Twin Comanche; Update and Correction of Previous Article; ATA 5520

This article was printed on page 9 of the October 2002, edition of this publication. Since that time, additional information has been received.

The previous article stated: "The submitter recommended the FAA consider issuing an Airworthiness Directive to address this problem." It was brought to our attention that the FAA previously published an Airworthiness Directive (AD). The AD number is 74-13-03, and it covers the subject of elevator security.

If additional information is required, please refer to AD 74-13-03.

We regret any inconvenience this omission may have caused. We recommend that all technicians research the AD records to ensure compliance.

Piper; Model PA 24-250; Malibu Mirage; Wing Spar Attachment Fasteners Broken; ATA 5740

During an annual inspection, a technician discovered the rivets were sheared and missing from the right wing rear spar attachment assembly (P/N 23663-00).

This assembly is attached to the center section carry-through under the baggage compartment floor. While inspecting the spar attachment assembly, the technician discovered the stringer (P/N 20600-47), which attaches to the assembly, was cracked and buckled. A review of the aircraft records indicated the bulkhead assembly (P/N 20614-11) was previously replaced. This stringer is attached to the right front wing attach point.

The submitter stated the probable causes for this problem would be old unreported damage to the outboard right wing area or by pushing the aircraft very hard at the wingtip. Both of these damaged areas are difficult to inspect. The baggage floor and the front upholstery side panels must be removed to access this area.

Aircraft total time-5,371 hours.

Piper; Model PA 31-350; Chieftain; Poor Engine Performance; ATA 7314

During a postflight inspection, the technician conducted an engine operational test. He found that the right engine would not operate without the aid of the fuel boost pump.

After securing the aircraft, the technician checked the right engine-driven fuel pump (Crane P/N RG9080J4A/M). He discovered the pump shaft rotated, but demonstrated roughness and resistance indicating severe internal wear and/or failure.

The submitter did not give any further circumstances surrounding this failure. However, the FAA Service Difficulty Reporting Program data base contains 10 additional reports concerning failure of this part number engine-driven fuel pump. The additional pump failures occurred at the following operating times: 65 hours, 424 hours, 510 hours, 921 hours, "0" hours, "0" hours, 565 hours, 17 hours, 115 hours, and 1,748 hours.

Part total time-677 hours.

Piper; Model PA 32-300; Cherokee Six; Vacuum System Failure; ATA 3700

During a scheduled inspection, a technician discovered the vacuum pump would not operate. The pilot/owner stated there were no indications of the failed vacuum pump during flight.

Investigating further, the technician found the aircraft was equipped with a "Precise Flight" standby vacuum system. The standby system uses an automatic flapper/shuttle valve (P/N SVS0133) that delivers vacuum pressure from the engine when the primary system fails. The standby vacuum system is activated by a "push-pull" cable. There was no indication in the cockpit to warn the pilot that the primary vacuum system was not functioning.

The standby vacuum system was installed in accordance with Supplemental Type Certificate (STC) SA2167NM. Airworthiness Directive (AD) 99-24-10 requires initial and recurring inspections of the standby vacuum system and incorporates Precise Flight service information SVS III. The junction of the shuttle valve flapper arm and the valve seat was worn far beyond the limits given in SVS III. The technician found that the shuttle valve was in a condition for impending failure and stated that complete failure would result in loss of all vacuum system pressure.

Evidently, the defective shuttle valve allowed vacuum from the standby system to pressurize the primary system. The submitter gave no explanation of why the cockpit instrument panel indicator light failed to illuminate.

Part total time-1,013 hours.

Piper; Model PA 38-112; Tomahawk; Landing Gear Failure; ATA 3211

During a landing, the right main landing gear separated from the aircraft.

A technician discovered the forward gear clamp bolt (P/N AN6H-14A/401-462) failed. The bolt failure allowed the gear to rotate out of alignment with the direction of the aircraft and exerted excessive stress on the gear attachment fittings. The inboard gear attachment bolt was literally pulled apart (tension failure).

The submitter suggested that technicians check the forward clamp and bolt for condition and serviceability during scheduled inspections and maintenance.

Part total time-619 hours.

Piper; Model PA 44-180; Seminole; Engine Air Induction System Failure; ATA 7160

While conducting a scheduled inspection, a technician discovered the left engine carburetor heat airbox was cracked.

The carburetor heat airbox (P/N 86245-834) crack was located at the hot air inlet and extended almost all the way around the tube. This defect placed the airbox in imminent danger of complete separation and jeopardized safe operation of the aircraft.

The submitter speculated this defect was caused by excessive stress applied to the part due to "poor design and possibly weak welds at both the cold and hot air tubes." This was the third occurrence of the same problem on this aircraft. The first two airboxes failed in the same manner after 198 and 299 hours of operation. The FAA Service Difficulty Program data base contains three additional failure reports related to this part.

The submitter recommended that technicians pay special attention to the airbox assembly at every opportunity.

Part total time-323 hours.

Piper; Model PA 46-350P; Malibu Mirage; Engine Contamination; ATA 7160

During a scheduled inspection, a technician discovered internal metal contamination and damage to the turbocharger.

While searching for the source of the metal particles, the technician discovered the metal protective screen, which encases the engine air-induction system air filter (P/N 561-020) element, had come apart. The metal particles from the air filter screen had also migrated into the engine oil system contaminating the oil filter and the air-induction system.

The submitter is working with the engine manufacturer for teardown and inspection procedures. Due to the relatively low number of service hours on the air filter, he speculated that a defective lot was manufactured; therefore, there may be other defective filters in service or in the supply system. He cautioned all concerned personnel to closely inspect each air filter prior to installation.

Part total time-100 hours.

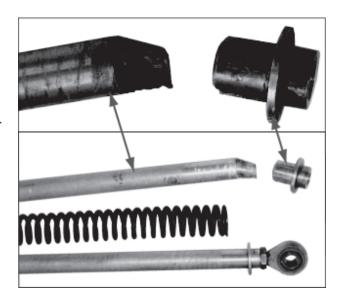
Piper; Model PA 46-350P; Malibu Mirage; Nose Landing Gear Component Failure; ATA 3230

During a Supplemental Type Certificate (STC) installation, a technician discovered the nose landing gear emergency-extension rod was defective.

The extension rod (P/N 83699-003) contains a spring used to assist emergency extension of the nose gear. One end was broken where the rod-end fitting attaches. The submitter evaluated the evidence and concluded the rod-end fitting separated from the tube because of an "inferior weld" attachment. (Refer to the illustration.) Due to the spring loading of the rod assembly, failure of either end fitting causes "violent separation from the aircraft."

Failure of the rod assembly may prevent extension of the nose gear. The submitter suggested that the manufacturer consider redesigning this part to be more structurally substantial for the intended purpose.

Part failed after 71 cycles.



Piper; Model PA 60-601; Aerostar; In-Flight Door Separation; ATA 5210

The pilot reported the upper section of the cabin door separated from the aircraft during flight. Just prior to losing the door (P/N 250002-505), he heard a "creaking" sound. He landed the aircraft safely without further damage.

A technician inspected the aircraft and could not determine why the door separated. He stated there are 35 other incident reports in the FAA data base on the Internet concerning door failures. He expressed his concern there may be a systemic problem with the door latching assembly.

Part total time-4,590 hours.

Piper; Model PA 60-700; Aerostar 700P; Instrument Air Manifold Valve Failure; ATA 3700

During a scheduled inspection, a technician found the manifold valve instrument air outlet port blocked.

The technician inspected the system and discovered the flapper valve hinge material flexed until it cracked. Failure of the hinge allowed the flapper valve to separate and lodge in the air outlet port.

The submitter stated this failure could lead to inoperative instruments, incorrect readings, and unsafe flight conditions. He encouraged technicians to check the manifold for this condition at every opportunity.

Part total time-2,102 hours.

HELICOPTERS

BELL

Bell; OH-58C (206); Kiowa; Pylon Support Defect; ATA 5415

While conducting a scheduled inspection, a technician discovered a defective pylon-support strap.

This helicopter used four pylon-support straps. The left rear pylon-support strap (P/N 206-032-200-27) is riveted to the underside of the upper cabin roof beam at the aft corner. The strap was cracked approximately 2.25 inches in length in a bend radius. The submitter stated the left rear support strap is "the most critically loaded" of the four.

The same submitter sent a similar report on another like helicopter. He encouraged technicians to inspect the pylon-support straps closely at every opportunity.

Part total time-8,810 hours.

Bell; Model 407; Bearing Failure; ATA 7921

During a scheduled inspection, a technician discovered "black grease" coming from both oil cooler blower bearings.

The bearings (P/N 407-340-339-101) were the "new style" bearings called for in Bell Alert Service Bulletin (ASB) 407-01-44. This seems to be a common occurrence as indicated by the FAA Service Difficulty Program data base, which contains 39 oil cooler blower bearing failure reports. Several of the 39 entries reported multiple bearing failures for the same part number, and all of the failures were reported in the past 2 years.

Bell has issued several modifications designed to cure this problem, and all technicians are urged to consult the appropriate technical data. The technician recommended that the manufacturer reduce the service time (life limit) from 100 hours to 25 hours.

Part total time-243 hours.

Bell; Model 407; RPM Switch Failure; ATA 6240

After returning from a flight, the pilot reported that the rotor RPM annunciator light illuminated. The light remained on even though the rotor RPM was in the normal range.

A technician investigated the report and discovered the rotor RPM sensor switch (P/N 407-375-021-103) was defective. He did not provide a cause for the switch failure.

Part total time-1,165 hours.

EUROCOPTER

Eurocopter; Model AS-350B2; Ecureuil; Electrical System Failure; ATA 2435

The pilot made a safe emergency landing and reported the electrical system failed.

While investigating this report, a technician removed the starter/generator (P/N 150SG122Q) and discovered that one set of brushes had failed. The failed brushes led to a gradual drop of electrical output, which the battery compensated until it was depleted.

The submitter recommended that technician conduct more rigorous inspections of the starter/generator brushes during scheduled inspections.

Part total time since overhaul-441 hours.

POWERPLANTS AND PROPELLERS

TELEDYNE CONTINENTAL

Teledyne Continental; Model GTSIO-520-H; Internal Failure; ATA 8550

After an in-flight failure of the right engine, the pilot landed the aircraft safely and summoned maintenance personnel. This engine was installed on a Cessna, Model 421B aircraft.

The technician found the number 5 cylinder-connecting rod had separated and penetrated the top of the crankcase. He speculated this failure was caused by "oil starvation at the number 5 rod journal." He also believes the engine was previously "field overhauled."

Engine total time-2,636 hours. Total time since overhaul-803 hours.

ACCESSORIES

JANAERO DEVICES COMBUSTION HEATER

While servicing the heater on a Piper Navajo PA-31-350, the technician discovered the fuel regulator was leaking.

The heater was installed in May 2002, and had a total of 42 hours of operation. Airworthiness Directive (AD) 2001-17-13 and JanAero Service Bulletin No. A-107 were accomplished when the unit was installed.

The submitter stated they operate three like aircraft and many of this new type JanAero fuel regulators have started leaking with less than 100 hours of time in service.

Part total time as previously stated.

PARKER HANNIFIN (AIRBORNE) VACUUM PUMP INSTALLATIONS

The following article was submitted by the FAA, Aircraft Certification Office (ACO), ACE-118W, located in Wichita, Kansas. (The article is printed as it was received.)

The FAA has been advised that some of the vacuum pumps and possibly pump drive coupling kits provided by Parker Hannifin (Airborne), produced under a Parts Manufacture Approval, may have incorporated a cork gasket. The cork gasket is not compatible with some pump installations on certain engine installations.

One airframe manufacturer, Cessna Aircraft Company, has issued a specific Service Newsletter (SNL00-8), which applies to installation of incorrect vacuum pump cork gasket. However, the suspect cork gasket may have been provided and/or installed on other makes and models of aircraft when either the vacuum pump and/or the pump drive coupling were serviced or replaced.

Aircraft have been known to operate for several hundred hours after installation of the suspect cork gasket before problems arise. The problems may be manifest by engine oil leakage between the vacuum pump drive pad and could become severe enough to cause engine failure. Also, it is possible that torque values on the attachment fasteners may decrease over time as the cork gasket material shrinks and is compressed.

All operators and technicians are encouraged to review the maintenance records of aircraft to determine if a vacuum pump event has occurred in the past, which may have included installation of a cork gasket. The Parker Hannifin (Airborne) vacuum pump and/or the pump drive coupling kits were provided by between January 1998 and July of 2002. If any of these components were replaced during this time period, the owners, operators and/or technicians should verify that the correct gaskets were installed.

Additional information may be available from Parker Hannifin Airborne Division or possibly other airframe manufacturers. Parts suppliers should also examine their current inventory to determine if any suspect vacuum pumps or drive kits have cork gaskets.

AIRNOTES

IDENTIFYING PART NUMBERS

Recently a reader made us aware of some interesting information concerning identifying part numbers used in the articles in this publication.

Typically, we provide part numbers in the various articles to identify particular parts of concern. The reader pointed out that, on occasion, the part numbers do not correspond to the identification of specific components. This anomaly occurs because, where possible, we use identifying part numbers given by the aircraft manufacturer and these may differ from the "vendor" identifying numbers.

In many cases, the aircraft manufacturer procures a particular part from two or more vendors and identifies them all by their part number. Even so, all of the different vendor parts must conform to the specifications given by the aircraft manufacturer.

When possible, we will list the manufacturer of defective parts; however, it will still be necessary to consult the manufacturer's technical data and/or contact the aircraft manufacturer to ascertain the vendor of a particular component.

A TRIBUTE TO THE FORGOTTEN MECHANIC

Through the history of world aviation many names have come to the fore.... Great deeds of the past in our memory will last, as they're joined by more and more....

When man first started his labor in his quest to conquer the sky he was designer, mechanic, and pilot, and he built a machine that would fly....

But somehow the order got twisted, and then in the public's eye the only man that could be seen was the man who knew how to fly....

The pilot was everyone's hero, he was brave, he was bold, he was grand, as he stood by his battered old biplane with his goggles and helmet in hand....

To be sure, these pilots all earned it, to fly you have to have guts....

And they blazed their names in the hall of fame on wings with bailing wire struts....

But for each of these flying heroes there were thousands of little renown, and these were the men who worked on the planes but kept their feet on the ground....

We all know the name of Lindbergh, and we've read of his flight to fame....

But think, if you can, of his maintenance man, can you remember his name?

And think of our wartime heroes, Gabreski, Jabara, and Scott....

Can you tell me the names of their crew chiefs? A thousand to one you cannot....

Now pilots are highly trained people, and wings are not easily won....

But without the work of the maintenance man our pilots would march with a gun....

So when you see mighty aircraft as they mark their way through the air, the grease-stained man with the wrench in his hand is the man who put them there....

The anonymous author of this composition must surely have had an appreciation and respect for those of us past and present who endeavor to promote aviation safety to the highest possible level. We endure the environmental extremes of the flight line and are content to allow those who are pilots to

reap the glory of the public eye. We are content to remain in the background with the calm assurance that we have given our all in the pursuit of safety in aviation. We swell with pride as we watch the product of our labor rise gracefully from the runway and embrace a pristine sky.

The greatest and most valued recognition we can hope to receive comes from our peers and from within. The Aviation Awards Program, started by the FAA, has become one of the most coveted forms of recognition for maintenance personnel. Its rewards are not easily attained, and only those individuals with uncompromising and long-suffering moral and ethical values are found worthy. This program stresses education, training, and superior performance as well as the other attributes mentioned here, to praise those worthy of its tests. Our most valued assets are the tools of our trade, our reputation, integrity, and the respect of our customers who put their lives in our hands.

With the many technological and sociological advances in aviation over the years, many of the ideas put forth in this poem are no longer valid. For example, "bailing wire" is very much frowned upon as wing strut and hinge pin material. For the most part, maintenance personnel no longer fit the stereotype of a "grease-stained man." The stereotype has been distorted and propagated by the entertainment media. The "grease-stained man" with a rag hanging from his pocket, a cap with a "turned-up bill," and a "less than intelligent look on his face," is purely a fictional character conjured to provide contrast and further embellish the flyer. Also, not all maintenance men are men; there are many women who have earned a position among our ranks and have made significant contributions to aviation maintenance safety.

Through the evolution of aviation maintenance, the requirements of brawn has been replaced by an ever-expanding requirement for brain power. With the complex nature of today's aeronautical products, has come maintenance people who can analyze, forecast, and troubleshoot problems by use of the computer. (Usually, we don't get "grease stained" from this activity.) The ever-changing demands of maintaining today's aircraft present a new challenge each day. These challenges are met with an eager enthusiasm to learn something new and to "put things right." We approach each new challenge with a proud and confident demeanor, which seems to say, "you can't break anything that I can't fix!"

SUBSCRIPTIONS

The Government Printing Office (GPO) distributes this publication. If you have any questions regarding a subscription to this publication, please direct your questions to GPO.

You may contact GPO at: Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, telephone (202) 512-1800, fax (202) 512-2250.

When you contact GPO, be specific concerning the publication you are interested in (e.g., Advisory Circular 43-16A). GPO accepts payment in the form of checks and credit cards. Please make your checks payable to the *Superintendent of Documents*.

In the past, we furnished the GPO subscription form in this publication. The older issues which contain the subscription form, may not have current pricing information. Since GPO controls price increases, contact GPO for current subscription information.

ELECTRONIC VERSION OF MALFUNCTION OR DEFECT REPORT

One of the recent improvements to the AFS-600 Internet web site is the inclusion of FAA Form 8010-4, Malfunction or Defect Report. This web site is still under construction and further changes will be made; however, the site is now active, usable, and contains a great deal of information.

Various electronic versions of this form have been used in the past; however, this new electronic version is more user friendly and replaces all other versions. You can complete the form online and submit the information electronically. The form is used for all aircraft except certificated air carriers who are provided a different electronic form. The Internet address is:

http://av-info.faa.gov/isdr/

When the page opens, select "M or D Submission Form" and, when complete, use the "Add Service Difficulty Report" button at the top left to send the form. Many of you have inquired about this service. It is now available, and we encourage everyone to use this format when submitting aviation, service-related information.

SERVICE DIFFICULTY REPORTING PROGRAM

The objective of the Service Difficulty Reporting (SDR) Program is to achieve prompt and appropriate correction of conditions adversely affecting continued airworthiness of aeronautical products fleet wide. The SDR program is an exchange of information and a method of communication between the FAA and the aviation community concerning inservice problems.

A report is filed whenever a system, component, or part of an aircraft, powerplant, propeller, or appliance fails to function in a normal or usual manner. In addition, if a system, component, or part of an aircraft, powerplant, propeller, or appliance has a flaw or imperfection which impairs, or which may impair its future function, it is considered defective and should be reported under the program.

These reports are known by a variety of names: Service Difficulty Reports (SDR), Malfunction and Defect Reports (M or D) and Maintenance Difficulty Reports (MDR).

The consolidation, collation and analysis of the data, and the rapid dissemination of trends, problems and alert information to the appropriate segments of the aviation community and FAA effectively and economically provides a method to ensure future aviation safety.

The FAA analyzes SDR data for safety implications and reviews the data to identify possible trends that may not be apparent regionally or to individual operators. As a result of this review, the FAA may disseminate safety information to a particular section of the aviation community. The FAA also may adopt new regulations or issue airworthiness directives (AD's) to address a specific problem.

The primary source of SDR's are certificate holders operating under Parts 121, 125, 135, 145 of the Federal Aviation Regulations, and the general aviation community which voluntarily submit records. FAA Aviation Safety Inspectors may also report service difficulty information when they conduct routine aircraft and maintenance surveillance as well as accident and incident investigations.

The SDR data base contains records dating back to 1974. Reports may be submitted on the Internet through an active data entry form or on hard copy. The electronic data entry form is in the AFS-600 Aviation Information web site under the heading SDR Main Menu. The URL is: http://av-info.faa.gov

A public search/query tool is also available on this same web site. This tool has provisions for printing reports or downloading data.

At the current time we are receiving approximately 45,000 records per year.

Point of contact is:

John Jackson Service Difficulty Program Manager Aviation Data Systems Branch, AFS-620 P.O. Box 25082 Oklahoma City, OK 73125

Telephone: (405) 954-6486

9-AMC-SDR-ProgMgr@mmacmail.jccbi.gov

ADDRESS CHANGES

In the past, the Designee Standardization Branch (AFS-640) maintained the mailing list for this publication. Now, the Government Printing Office (GPO) sells this publication and maintains the mailing list; therefore, please send your address change to: U.S. Government Printing Office, **ATTN: SSOM, ALERT-2G**, 710 N. Capital Street N. W., Washington, DC 20402

You may also send your address change to GPO via FAX at: (202) 512-2168. If you FAX your address change, please address it to the attention of: **SSOM, ALERT-2G**. Whether you mail or FAX your address change, please include a copy of your old address label, and write your new address clearly.

IF YOU WANT TO CONTACT US

We welcome your comments, suggestions, and questions. You may use any of the following means of communication to submit reports concerning aviation-related occurrences.

Editor: Phil Lomax (405) 954-6487

FAX: (405) 954-4570 or (405) 954-4748

Mailing address: FAA, ATTN: AFS-640 ALERTS, P.O. Box 25082,

Oklahoma City, OK 73125-5029

E-Mail address: Phil W Lomax@mmacmail.jccbi.gov

You can access current and back issues of this publication from the internet at: http://afs600.faa.gov

When the page opens, select "AFS-640" and then "Alerts" from the drop-down menu. The monthly issues of the Alerts are available back to July 1996, with the most recent edition appearing first.

AVIATION SERVICE DIFFICULTY REPORTS

The following are abbreviated reports submitted between September 28, 2002, and October 30, 2002, which have been entered into the FAA Service Difficulty Reporting (SDR) System data base. This is not an all inclusive listing of Service Difficulty Reports. For more information, contact the FAA, Regulatory Support Division, Aviation Data Systems Branch, AFS-620, located in Oklahoma City, Oklahoma. The mailing address is:

FAA Aviation Data Systems Branch, AFS-620 PO Box 25082 Oklahoma City, OK 73125

ENG MAKE

COMPMAKE

VERIFIED THAT THE UNIT WAS SEATED PROPERLY & CORRECTLY IN THE TRAY.

ACFTMAKE

AMTR

GLASTAR

LYC

O320*

These reports contain raw data that has not been edited. If you require further detail please contact AFS-620 at the address above.

FEDERAL AVIATION ADMINISTRATION

Service Difficulty Report Data

Sorted by Aircraft Make and Model then Engine Make and Model. This Report Derives from Unverified Information Submitted By the Aviation Community without FAA review for Accuracy.

PART CONDITION

DIFF-DATE

08/26/2002

2002FA0001139

TTIME

PART NAME

ACFTMODEL	ENG MODEL	COMPMODEL	PART NUMBER	PART LOCATION	OPER CTRL NO. TSO
REMARKS					
		ARTEX	BATTERY PACK	CRACKED	10/24/2002
		ELT1104	4520130	ELT	2002FA0001213
ON ANNUAL IN	SPECTION DISCO	VERS BATTERY PACK	ON ELT1104 CRACKEI	D AND BATTERY ACID LEAK. I	FOUND ON TWO SEPARATE UNITS,
SAME LOCATIO	N AND SAME FAI	LURE. BATTERY PACK	S PURCHASED IN OCT	-2000 DUE FOR REPLACEMENT	NEXT MONTH. DAMAGE WAS NOT
PRESENT AT PR	REVIOUS ANNUAL	IN OCT-2001.			
	CONT		COLLAR	DISTORTED	10/14/2002
	IO520D		626739	ENGINE	2002FA0001184
IN ASSEMBLING	GANEW STANDAI	RD GOVERNOR OIL TRA	ANSFER COLLAR TO TH	IE CRANKSHAFT IT WAS FOUNI	O TO BIND ON THE JOURNAL. PRIOR
TO DISASSEMB	LING THE COLLAI	R HALVES THE INSIDE I	DIAMETER WAS NOTE	D TO BE SMOOTH AND COLLAR	TO JOURNAL CLEARANCE WITHIN
NEW LIMITS. O	NCE THE COLLAR	HAD BEEN DISASSEM	IBLED AND REASSEME	BLED A STEP OF APPROXIMATI	ELY .001 INCH WAS FOUND AT THE
PARTING SURF	ACES. INSTALLIN	G THE COLLAR ON THI	E CRANKSHAFT AND T	ORQUING IT IN PLACE CAUSEI	O IT TO BIND IN AN INTERFERENCE
FIT. IT APPEARS	S THE TWO HALV	ES ARE UNDER SOME T	TORSIONAL STRESS W	HICH IS RELIEVED UPON TAKII	NG THEM APART. THIS IS NOW THE
FOURTH CONSI	ECUTIVE COLLAR	ORDERED FROM OUR A	AVIALL DISTRIBUTOR	TO EXHIBIT THESE CHARACTE	RISTICS. CALLS HAVE BEEN MADE
TO TELE					
	CONT		CYLINDER	CRACKED	10/15/2002
	IO520D		655469A7	ENGINE	2002FA0001196
A CRACKED CY	LINDER HEAD FI	N WAS DISCOVERED O	ON NR 1 CYLINDER FOI	LLOWING THE ACCEPTANCE R	UN AFTER THE ENGINE HAD BEEN
OVERHAULED.	AN ATTEMPT TO I	DRESS IT OUT INDICAT	ED THAT THE CRACK I	EXTENDED ON TO THE BASE OF	THE FIN AND POSSIBLY CYLINDER
HEAD. CYLIND	ER WAS REMOVE	D AND REPLACED UNI	DER FACTORY WARRA	ANTY.	
AMRGEN			CONNECTOR	ARCED	10/10/2002
AA5B			2055612	GPS SYSTEM	YHLR200200001
AIRCRAFT OWN	VER STATED THAT	UNIT QUIT WORKING I	IN FLIGHT. REMOVED (GPSCOMM FROM TRAY AND FO	UND THAT PINS 21 & 25 HAD ARCED.

FOUND THAT GPSCOMM WAS NOT SEATED PROPERLY IN TRAY AT TIME OF ORIGINAL INSTALLATION BY GULF COAST AVIONICS. REPLACED CONNECTOR & DAMAGED PINS 21 & 25. THIS COULD HAVE BEEN PREVENTED IF THE ORIGINAL INSTALLER (GULF COAST AVIONICS) HAD

PROPELLER BLADE SHANK CRACKED RADIALLY AT THE JUNCTION OF THE SHANK AND THE BLADE. SLIGHT FORE AND AFT BLADE MOVEMENT DETECTABLE. ALL 3 BLADES CRACKED, INSTALLATION LOOKED PROPER WITH CORRECT TORQUE ON HUB AT BLADE ATTACH POINT.

CRACKED

PROPELLER

BLADE

72R3BD

21

AMTR	CONT	FILTER	MISSING	09/10/2002	
RV8	IO360* UMP FITTED WITH NO SUCTION FILTER	INITHE OH OVOTEM A	ENGINE PLECE OF LOCKWIDE APPROVE	AUS20021072	COSIND I ONIC
	AN OIL GALLERY. DAMAGE TO OIL PUM				
AMTR	CONT	FILTER	UNAPPROVED	09/10/2002	
RV8	IO360*		ENGINE	AUS20021073	
(AUS) UNAPPRO AMTR	OVED OIL FILTER INSTALLED. PERSONN LYC HARTZL	NEL/MAINTENANCE EF BLADE	RROR. UNAPPROVED PART. DAMAGED	09/20/2002	3455
STEENSKYBOLT		F7666A2	PROPELLER	2002FA0001113	135
	OVED WITH 135.0 HOURS SINCE OVERHA				
	NSPECTION OF BLADE WIDTH AND TH				
THEY WERE JUS	S AT 34 INCH STATION. ONE BLADE ME. TOUT OF OVERHAUL, MEANING NO FILI STONE DAMAGE. PAINT ALSO LOOKS O	NG HAS BEEN DONE O	N LEADING EDGES OF BLADES A	AND THERE IS VERY LI	EARLY AS IF
BBAVIA	LYC	CABLE	BROKEN	09/11/2002	
7KCAB	IO320E2A	SAR21534	DOWN ELEV CABLE	2002FA0001128	
	VATOR CONTROL CABLE FAILED AT T				
	EARING CONTROL CABLE TO A CONDITI		ED WITH HARD FORWARD STIC BROKEN		AND GS.
BBAVIA 8GCBC	LYC O360*	LEG ASSY 71461	MLG	04/07/2002 2002FA0001177	
	R LEG BROKE AT ATTACHING CLAMPON				NDETECTED
	. NO INJURIES TO PILOT, OUTBOARD RII	B BENT, PROP STRIKE.			
BBAVIA	LYC	SPAR	CRACKED	08/27/2002	
8GCBC	O360C2E	71493	WING	CA020913009	
BBAVIA	OUND IN THE FUEL CELL STIFFENER SP. LYC	AR ON THE WING. FUEL TANK	CRACKED	09/09/2002	
8GCBC	O360C2E	714931L	CENTER	CA021007005	
	N LT INBOARD FUEL TANK UPPER SURI				MINUM SPAR
BEECH	PWA	LINKAGE	BROKEN	07/16/2002	14027
100BEECH	PT6A28	508201892	NLG STEERING	CA020827004	14027
· /	RING LINK WAS FOUND BROKEN 3/4 OF S BEEN NO FURTHER OCCURRENCES	AN INCH FROM WERE	II ENTERS THE DUST BOOT. TH	IE STEERING LINK WA	S REPLACED
BEECH	S BEEN NOT ON THER OCCURRENCES	WASHER	MISSING	10/11/2002	1700
200BEECH		100951X063XE	MLG	FAI001	1700
	KEOFF, GEAR RETRACTION FAILED, WIT				
	FAILURE. EMERGENCY EXTENSION EF				
	CT WITH MAINTENANCE PERSONNEL C.				
) THAT THE LANDING GEAR MOTOR CO D NORMALLY. PRIOR TO LANDING, A FI				
	APPROXIMATELY 20 DEGREES RIGHT. L				
LEFT MAIN GEA	R TOR				
DDD 011	P.V	DD - GUER	an i aven	0.0/2.0/2.00	400
BEECH 200BEECH	PWA PT6*	BRACKET E697711D	CRACKED PROP BLADE CUFF	08/30/2002 2002FA0001135	400
	(PN E6977-11D) THAT SUPPORT THE				G INTO THE
	CKPLATE. THIS WAS DONE TO VARYING				
	GHIT WAS WORSE ON THE RIGHT PROP.				
	ONLY OCCURS WHEN THE PROP GOES				IGATION.
BEECH 200BEECH	PWA PT6A42	ROTOR	BROKEN	08/15/2002 AUS20021075	
	BRAKE ROTOR BROKEN INTO THREE P	RFS1030	BRAKE	AUS20021073	
BEECH	PWA	RIVET	ERODED	08/19/2002	2505
400A	JT15D5		TURBINE WHEEL	2002FA0001195	
	BLADE RETAINING RIVETS AND COLLAR				
	ON AS OUTLINED IN MFG MM. IF LEFT IN			URBINE BLADES TO SE	HIFT AND/OR
BEECH	ENGINE FAILURE. ALL 71 RIVETS AND 7 LYC BENDIX	POINTS	MELTED	09/19/2002	
65B80	IO720*	10382585	MAGNETO	2002FA0001123	
	LON WHERE IT CONTACTS POINT ARM	M DURING OPENING A	ND CLOSING OF POINTS DURI	NG OPERATION. INFE	RIOR NYLON
	STANT TO WEAR OR HEAT.				
BEECH	CONT	SPAR	CRACKED	09/18/2002	3500
95C55 REMOVED LT FI	IO520* LEVATOR AND FOUND REAR SPAR CRAC	TKED AT TRIM TAR AC	LTELEVATOR THATOR TECH SUPPORT AND	2002FA0001140	PI ACE REAR
SPAR.	ELVITOR MAD I OUND REAR SI MR CRAR	CKED III TRIM TIMB IIC	TOMIOR. TECHNOLITORI MIND	CONSENSOS IS TO KE	LACL KLAK
BEECH	PWA	TERMINAL	LOOSE	09/30/2002	
99	PT6A20		CIRCUIT BREAKER	CA021001009	
	ENT INTO FORT SMITH FROM FORT CHIPP				
	AL POWER WAS TURNED OFF. ALL NON I ARED. POWER WAS RESTORED LONG EI				
	THE WIRE ATTACHED TO THE POWER S				
	THE WIRE TO HEAT UP NEAR THE TERM		BILL INCOME	20002.1112.0100	
BEECH		RIVET	MISSING	08/20/2002	10
A200		10161000013	TRIMTAB	2002FA0001175	
	MTABS ON AIRCRAFT WERE INSPECTED I				
	. RIVETS. THE SKINS WERE BONDED BUT E INSTALLATION. THOUGH INSPECTION				KSHELFFOR
2 I EARS DEFUR	LINGTALLATION, THOUGH INSPECTION	OF TRIWITADS DEFUR	E INSTALLATION TO VERIFY R	IVET INSTALLATION.	

DEECH	CONT		DINI	DROKEN	00/05/0000
BEECH A36	CONT IO520BB		PIN B4460	BROKEN PROPELLER	09/25/2002 2002FA0001190 750
		E OF THREADS DU			. SHALLOW DEPTH NOT TAPPED TO
BOTTOM OF THE		L OF THICE, IDS DO	E TO IMI KOTEKET DIK	EEED HOLE TO MEEL TIM	. SINEEO W BEI III NOT THITEB TO
BEECH	CONT	ARTEX	BATTERY	CRACKED	09/06/2002
A36	IO550*		4520130	ELT	2002FA0001145
					E RESIDUE IN IT, INSPECTION OF THE
		RY HALF OF THRU F	ELT CASE. OPENED UP	ELT AND INSPECTION OF BA	TTERY ASSEMBLY SOUND THAT ONE
THE CELLS HAD					
BEECH	CONT		CHANNEL	CRACKED	09/24/2002 5697
A36	IO550B	ETD (DIO () IIIO) II	3634031015	FUSELAGE	2002FA0001171
					D AT AFT END IN BEND RADIUS. BRACI BLE CAUSE. AVIONICS SHELF ASSEMI
	RACKED IN BEN		207.00. VIDKATION ANI	TIME IN SERVICE IS PROBAI	BLE CAUSE. A VIONICS SHELF ASSEMI
BEECH	CONT	D RADIOS.	FITTING	DAMAGED	09/19/2002
A45	O470*		351150581	RT WING	2002FA0001146
REMOVED WING	G LOWER ATTAC	H FITTING COVERS		EDDY-CURRENT INSPECTIO	ON IAW T34 REPORT. BEFORE BEGINN
EDDY-CURRENT	I INSPECTION N	OTED DEEP TOOL N	MARKS/GOUGES IN RI	GHT WING LOWER AFT BAT	THTUB FITTING INTERIOR. ALSO NO
					ED BY ROUGH, IMPROPER WING ATTA
	L/ INSTALLATIO	N TECHNIQUES DUP		TENANCE. NO FURTHER ACT	
BEECH			BOLT	CRACKED	09/20/2002 2716
3100	D WIDLEDOLT CD	A CIV POLINID WILLED	8178610	WING	2002FA0001194
				D BOLT HEAD. WINGBOLT IN A/C CYCLES. INSTALLED A	NSPECTION CARRIED OUT IAW AD. BO
WAS INSPECTEL BEECH	DITEMN/ 324 HC	/UKS, FKIUK. DULI,	, 11 2/16.5 HOURS, 2542 SKIN	CRACKED	08/15/2002 595
3200			STELL 1	RUDDER	2002FA0001136
	CH CRACK APPR	OXIMATELY 6 INCI	HES DOWN AND .0200 I		AILING EDGE OF THE RUDDER.
BEECH	PWA	PPG	WINDSHIELD	OVERHEATED	09/25/2002
3200	PT6A42	10138402517	10138402517	COCKPIT	CA021001006
,					HEAVY SMELL OF BURNED PLEXIGL
				MOLDERING SUBSIDED.	40/4-7000
BEECH	PWA PT6A42	BEECH	STRAP 50420013944	CRACKED	10/17/2002 7917
B200C		NITEDIOD TO TDOLE		FRAME	BN001 BLIES ON THE RT SIDE OF THE FUSELA
					AP ASSEMBLY AT F.S. 246.0. THESE ARI
	,				ER SIMILAR INCIDENT ON THE BL MOI
		ARGO DOOR, THER	E IS NO EVIDENCE OF	PREVIOUS DAMAGE OR AB	NORMAL OPERATION IN THE AIRCR
AIRCRAFT EQUI		ARGO DOOR. THER	E IS NO EVIDENCE OF	PREVIOUS DAMAGE OR AB	NORMAL OPERATION IN THE AIRCRA
AIRCRAFT EQUI LOGBOOK.		ARGO DOOR. THER	E IS NO EVIDENCE OF LOCK	OVERTORQUED	10/03/2002
AIRCRAFT EQUI LOGBOOK. BEECH C23	IPPED WITH A C. LYC O360A4K		LOCK 61156	OVERTORQUED CRANKSHAFT	10/03/2002 2002FA0001191
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO	IPPED WITH A C. LYC O360A4K OR CRANKSHAF	Г GEAR RETAINING	LOCK 61156 G BOLT NOT SUFFICI	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING O	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN	Γ GEAR RETAINING N SHEARED. RECOM	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING C 'ENT RECURRENCE: CRANK!	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO	Γ GEAR RETAINING N SHEARED. RECOM	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING C 'ENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD.
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH	LYC O360A4K DR CRANKSHAF1 GEAR DOWEL PIN 4IN/LBS AND LO PWA	Γ GEAR RETAINING N SHEARED. RECOM	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING C 'ENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90	LYC O360A4K DR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28	T GEAR RETAINING N SHEARED. RECOM CKPLATE INSPECTI	LOCK 61156 G BOLT NOT SUFFICI MENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING C 'ENT RECURRENCE: CRANK! R LOCKING OF THE PLATE A FAILED MLG	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD LGAINST THE BOLT HEAD. 08/29/2002 CA021002015
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI	LYC O360A4K DR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO	I GEAR RETAINING N SHEARED. RECOM ICKPLATE INSPECTI I WORK IN THE DOV	LOCK 61156 G BOLT NOT SUFFICI MENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING C 'ENT RECURRENCE: CRANK! R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CAN) THE HANI CONTROL WAS	IPPED WITH A C. LYC O360A4K OR CRANKSHAF' GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO' INSTALLED. IT W	I GEAR RETAINING N SHEARED. RECOM CKPLATE INSPECTI I WORK IN THE DOV	LOCK 61156 G BOLT NOT SUFFICI MENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GE
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH	LYC O360A4K OR CRANKSHAF' SEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO' INSTALLED. IT W PWA PWA PWA	I GEAR RETAINING N SHEARED. RECOM CKPLATE INSPECTI I WORK IN THE DOV	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH	LYC O360A4K O360A4K OR CRANKSHAF SEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21	I GEAR RETAINING IN SHEARED. RECOM ICKPLATE INSPECTI IT WORK IN THE DOV VORKED FOR 229.5 H VORKING. THIS IS TH	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017	OVERTORQUED CRANKSHAFT CRANKSHAFT ENTLY BENT ALLOWING OF FENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GI IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH C90A (CAN) ENGINE A	LYC O360A4K OR CRANKSHAFT GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE	I GEAR RETAINING IN SHEARED. RECOM ICKPLATE INSPECTI IT WORK IN THE DOV VORKED FOR 229.5 H VORKING. THIS IS TH	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017	OVERTORQUED CRANKSHAFT CRANKSHAFT ENTLY BENT ALLOWING OF FENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CAN) THE HANI CONTROL WAS I THE DOWN SWI' BEECH C90A (CAN) ENGINE A AFTER SB COMF	LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE.	I GEAR RETAINING N SHEARED. RECOM CKPLATE INSPECTI I WORK IN THE DOV VORKED FOR 229.5 F VORKING. THIS IS THE	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF ZENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD LOGAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT.
AIRCRAFT EQUI LOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CAN) THE HANI CONTROL WAS ITHE DOWN SWI' BEECH C90A (CAN) ENGINE A AFTER SB COMP BEECH	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 LNTI-ICE INTAKE PLIANCE. PWA	I GEAR RETAINING N SHEARED. RECOM N SHEARED. RECOM N SHEARED. RECOM N SHEARED. RECOM N WORK IN THE DOW N WORKED FOR 229.5 FORKING. THIS IS THE N TUBES REPLACED. BEECH	LOCK 61156 G BOLT NOT SUFFICI MENDATION TO PREVE ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULE AGAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY, AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT.
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20- BEECH CONTROL WAS I THE DOWN SWI BEECH CONDENSIONE A AFTER SB COMP BEECH COMP	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21	I GEAR RETAINING IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED FOR 229.5 FOR SHEARED FOR 229.5 FOR SHEARED FOR EACH IN TUBES REPLACED FOR SHEARED FOR	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF FENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT GO VERIFIED AT 200 BEECH 1900 CAN) THE HANI CONTROL WAS SO THE DOWN SWI BEECH 1900 CAN) ENGINE A AFTER SB COMP BEECH 1900 LOWN SWI BEECH 1900 LOWN SWI 1900 LOWN SWI 1900 LO	LYC O360A4K DR CRANKSHAF SEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PWA PT6A21 ANTI-ICE (INTAKE	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED. IN BEECH IN HORSE REPLACED. IN BEECH IN HORSE REPLACED. IN TUBES REPLACED	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (1	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE 642, WERE ANTI ICE 656 666 676 676 676 676 676 676 676 676	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULE AGAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY, AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT.
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO BERNKSHAFT GO PERIFIED AT 200 BEECH 1900 CAN) THE HANI CONTROL WAS SO THE DOWN SWI BEECH 1900 CAN) ENGINE A BEECH 1900 CAN) ENGINE A METER SB COMP BEECH 1900 CAN) ENGINE A NSPECTION AF	LYC O360A4K DR CRANKSHAF SEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PWA PT6A21 ANTI-ICE (INTAKE	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED. IN BEECH IN HORSE REPLACED. IN BEECH IN HORSE REPLACED. IN TUBES REPLACED	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE 642, WERE ANTI ICE 656 666 676 676 676 676 676 676 676 676	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH C90A CAN) ENGINE A AFTER SB COMP BEECH C90A CAN) ENGINE A CAN) ENGINE A KNSPECTION AF BEECH	LYC O360A4K OR CRANKSHAF SEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PWA PT6A21 ANTI-ICE (INTAKE ANTI-ICE (INTAK	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED. IN BEECH IN HORSE REPLACED. IN BEECH IN HORSE REPLACED. IN TUBES REPLACED	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (IN 90-910099-13 R/H P/N	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR
AIRCRAFT EQUILOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH 290A CAN) ENGINE A BEECH 290A CAN) ENGINE A RIFER SB COMP BEECH 290A CAN) ENGINE A COUND WHEEL	LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A6 HALF CRACKED	I GEAR RETAINING IN SHEARED, RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IORKING, THIS IS THE IN TUBES REPLACED IN BEECH IN SHEARED IN TUBES REPLACE IN	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE SEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULE GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY, AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIL 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS
AIRCRAFT EQUILOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH C90A CAN) ENGINE A AFTER SB COMP BEECH C90A CAN) ENGINE A NSPECTION AF BEECH C90A COND WHELL C90A COUND WHELL WEAR, TT 375 HO	LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O	I GEAR RETAINING IN SHEARED, RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IORKING, THIS IS THE IN TUBES REPLACED IN BEECH IN SHEARED IN TUBES REPLACE IN	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULE GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIE 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN.
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS: THE DOWN SWI BEECH C90A (CAN) ENGINE A AFTER SB COMP BEECH C90A (CAN) ENGINE A INSPECTION AF BEECH C90A FOUND WHEEL WEAR. TT 375 HO BEECH	LYC O360A4K DR CRANKSHAF JEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT	I GEAR RETAINING IN SHEARED, RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IORKING, THIS IS THE IN TUBES REPLACED IN BEECH IN SHEARED IN TUBES REPLACE IN	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED NCF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN. 09/25/2002
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANN CONTROL WAS IFHE DOWN SWI BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A NSPECTION AF BEECH 290A COUND WHEEL WEAR. TT 375 HO BEECH 335	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 LNTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN ORKED FOR 229.5 H IN ORK	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWN DEFECT. PART WAS SI COLLAR 83410	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG NOF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIC CRACKED PROPELLER	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GRAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANN CONTROL WAS THE DOWN SWI BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A NSPECTION AF BEECH 290A COUND WHEEL WEAR. TT 375 HO BEECH 335 GUIDE COLLAR	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 LNTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN ORKED FOR 229.5 H IN ORK	LOCK 61156 G BOLT NOT SUFFICI MMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWN DEFECT. PART WAS SI COLLAR 83410	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG NOF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIC CRACKED PROPELLER	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN. 09/25/2002
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CCAN) THE HAND CONTROL WAS ITHE DOWN SWI' BEECH C90A (CAN) ENGINE A AFTER SB COMP BEECH C90A CAN) ENGINE A INSPECTION AF BEECH C90A FOUND WHEEL WEAR FOUND WHEEL WEAR G35 GUIDE COLLAR CAUSED VIBRAT	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A6 HALF CRACKED OURS. CASTING (CONT E2258 CRACKED DUE FION.	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN ORKED FOR 229.5 H IN ORK	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULE GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY, AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T
AIRCRAFT EQUILOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH 290A CAN) ENGINE A ARTER SB COMP BEECH 290A CAN) ENGINE A RECH 290A CAN) ENGINE A SEECH 290A CAN) ENGINE A BEECH 290A COUND WHEEL WEAR. TT 375 HO BEECH 335 GUIDE COLLAR CAUSED VIBRAT BEECH	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 . CRACKED DUE IION. CONT	I GEAR RETAINING IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN SHEARED. RECOM IN WORK IN THE DOV IN ORKED FOR 229.5 H IN ORK	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTH	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF FENT RECURRENCE: CRANK; R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GRAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIL 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANI CONTROL WAS THE DOWN SWI BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A NSPECTION AF BEECH 290A COUND WHEEL WEAR. TT 375 HO BEECH 335 GUIDE COLLAR CAUSED VIBRAT BEECH 335	LYC O360A4K DR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION CONT IO520B	I GEAR RETAINING IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IN WORK IN THE DOV IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED IN HER SHEPLACED IN TUBES REPLACE IN TUBES	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATION CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIE 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANI CONTROL WAS HE DOWN SWI BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A MSPECTION AF BEECH 290A COUND WHEEL VEAR. TT 375 HO BEECH 335 GUIDE COLLAR AUSED VIBRAT BEECH 335 GUIDE COLLAR AUSED VIBRAT BEECH 335 AUS) RH MAIN I	LYC O360A4K DR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION CONT IO520B	I GEAR RETAINING IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IN WORK IN THE DOV IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED IN HER SHEPLACED IN TUBES REPLACE IN TUBES	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF FENT RECURRENCE: CRANK; R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIE 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032
AIRCRAFT EQUI LOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HAND CONTROL WAS THE DOWN SWI BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A NSPECTION AF BEECH 290A COUND WHEEL WEAR. TT 375 HO BEECH 335 GUIDE COLLAR CAUSED VIBRAT BEECH ASSECH ASSECH ASSECH BEECH 335 GUIDE COLLAR CAUSED VIBRAT BEECH ASSECH	LYC O360A4K OR CRANKSHAF JEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION CONT IO520B LANDING GEAR	IT GEAR RETAINING IN SHEARED, RECOM IN SHEARED, RECOM IN SHEARED, RECOM IT WORK IN THE DOV IN SHEARED FOR 229.5 H IT WORK IN THE DOV IN SHEARED FOR 229.5 H IT WORK IN THE DOV IN SHEARED FOR 229.5 H IT WORK IN THE DOV IN SHEARED FOR 229.5 H IT WORK IN THE DOV IN SHEARED FOR MANUFACTURE IT OVIBRATION FR IN STRUT SQUAT SWIT	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A SE BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 HI.
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CAN) THE HAND CONTROL WAS IF HE DOWN SWI BEECH C90A CAN) ENGINE A AFTER SB COMP BEECH C90A CAN) ENGINE A FOUND WHEEL WEAR. TT 375 HO BEECH C305 GUIDE COLLAR CAUSED VIBRAT BEECH C305 GUIDE COLLAR CAUSED VIBRAT BEECH C307 BEECH C308 CAUSED VIBRAT CAUSED V	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A66 HALF CRACKED OURS. CASTING O CONT E2258 . CRACKED DUE TION. CONT IO520B LANDING GEAR LYC TS313B HT CONTROL BI	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IN TUBES REPLACED. IN TUBES REPLACED. IN TUBES REPLACE IN TUBE	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTH BRACKET 35361133 FCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK. R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED TIR FLTCNTRLAT ATTACHES TO BULKHEAD	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GRAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIL 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI
AIRCRAFT EQUILOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20- BEECH 290 CAN) THE HANI CONTROL WAS I THE DOWN SWI BEECH 290A (CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A TOWN SWI BEECH 290A COUND WHEEL WEAR. TT 375 HO BEECH 2355 GUIDE COLLAR CAUSED VIBRAT BEECH V355A AUS) RH MAIN I BELL 204B CAN) T/R FLIGI REINFORCED BY	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED. IN TUBES REPLACED. IN TUBES REPLACE IN TUBE	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTH BRACKET 35361133 TCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUSI	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIE 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 2
AIRCRAFT EQUILOGBOOK. BEECH 223 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH 290 CAN) THE HANN CONTROL WAS IFHE DOWN SWI' BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A NSPECTION AF BEECH 290A COUND WHEEL WEAR. TT 375 H BEECH 335 GUIDE COLLAR CAUSED VIBRAT BEECH 345 BEECH 355 GUIDE COLLAR CAUSED VIBRAT BEECH 204B CAN) T/R FLIGI REINFORCED B 2030-749-013 CRA	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 LNTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI CKED PROBABI	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORK IN THE DOV IN WORKED FOR 229.5 H IN TUBES REPLACED. IN BEECH IN 9091009913 IN TUBES REPLACED. IN TUBES REPL	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREVED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 90910099-13 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWL DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTH BRACKET 35361133 TCH ATTACHMENT BR BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A SE BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUSI YE T). THIS ALLOWED THE	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N S SUPPORT TO MOVE AND EVENTUAL
AIRCRAFT EQUI OGBOOK. BEECH 223 OCKPLATE FO CRANKSHAFT G //ERIFIED AT 20 BEECH 290 CAN) THE HANN CONTROL WAS THE DOWN SWI BEECH 290A CAN) ENGINE A AFTER SB COMP BEECH 290A CAN) ENGINE A MSPECTION AF BEECH 290A COUND WHEEL WEAR. TT 375 H BEECH 335 GUIDE COLLAR CAUSED VIBRAT BEECH 345 BEECH 356 GUIDE COLLAR CAUSED VIBRAT BEECH 361 BEECH 375 BEECH	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 LNTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI CKED PROBABL BULKHEAD. WH	IT GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN SHEARED. TO SHEARED. IN SHEARED. REPLACED. IN SHEARED. REPLACED. IN SHEARED. REPLACED. REPLACED. REPLACED. TUBES REPLACED. IN SHEARED. TO VIBRATION FROM BOLT HOLE IN STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN SUPPORT OF THE STRUT SQUAT SWITT BELL IN SUPPORT OF THE STRUT SQUAT SWITT BELL IN SUPPORT OF THE SWITT BELL IN SUPPORT OF THE SWITT SWITT SQUAT SWITT BELL IN SUPPORT OF THE SWITT S	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 90910099-13 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOT! BRACKET 35361133 FCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED) D CRACKED, IT ALLOY	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A SE BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG NOF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED TIRELT CNTRL AT ATTACHES TO BULKHEAD PN 204-030-749-015. WE SUSS YE TJ. THIS ALLOWED THE WED FOR THE T/R CHAIN PI	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIRST SINSPECT. 09/04/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIRST SINSPECT. 09/04/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIRST SINSPECT. 09/11/2002 AUS20021189 MP CREATING A SPLIT IN ANGLES. TO 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 2 SUPPORT TO MOVE AND EVENTUAL TCH CHANGE MECHANISM TO BECCT.
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 CCAN) THE HAND CONTROL WAS THE DOWN SWI BEECH C90A AFTER SB COMP BEECH C90A CAN) ENGINE A AFTER SB COMP BEECH C90A CAN) ENGINE A BEECH C90A CAN) ENGINE A BEECH C90A GAN ENGINE A BEECH C90A FOUND WHEEL WEAR. TT 375 H BEECH G35 GUIDE COLLAR CAUSED VIBRAT BEECH WAS CAN) TIR FLIG REINFORCE B CAN) TIR FLIG REINFORCE B CON CRACKED THE I DISENGAGED D	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI ECKED PROBABI BULKHEAD. WH UE TO EXCESSIN	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IN TUBES REPLACED. IN BEECH IN 9091009913 IN TUBES REPLACE IN TUBES REPLACE IN TO VIBRATION FR STRUT SQUAT SWITT IN BELL IN STRUT SQUAT SWITT IN SUPPORE IN PROPOSE PIN 204-030-749-01 IN THE BULKHEAI IN MOVEMENT OF THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE BULKHEAI IN THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE BULKHEAI IN MOVEMENT OF THE STRUT SOLUTION IN THE SULKHEAI IN MOVEMENT OF THE STRUTCH SOLUTION IN THE SULKHEAI IN MOVEMENT OF THE STRUTCH SOLUTION IN THE SULKHEAI IN MOVEMENT OF THE STRUTCH SOLUTION IN THE SULKHEAI IN MOVEMENT OF THE STRUTCH SOLUTION IN THE SULKHEAI IN THE STRUTCH SOLUTION IN THE SULKHEAI IN THE SULKHEAI IN THE STRUTCH SOLUTION IN THE SULKHEAI IN THE	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133 TCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO CRACKED, IT ALLOUTHE BELLCRANK SUPP	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE 3EECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUSI YET J. THIS ALLOWED THE WED FOR THE T/R CHAIN PI ORT. THE PITCH CHANGE MI OTENTE THE PITCH CHANGE MI	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULE GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY, AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N SUPPORT TO MOVE AND EVENTUAI TCH CHANGE MECHANISM TO BECC ECHANISM RE-ENGAGED BUT WAS N
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HAND CONTROL WAS ITHE DOWN SWI' BEECH C90A (CAN) ENGINE A AFTER SB COMP BEECH C90A (CAN) ENGINE A INSPECTION AF BEECH C90A GOUND WHEEL WEAR TT 375 HO BEECH C335 GUIDE COLLAR CAUSED VIBRAT BEECH U35A (AUS) RH MAIN I BELL 204B (CAN) T/R FLIGI REINFORCED B' 030-749-013 CR CRACKED THE CISENGAGED D COMPLETELY O	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BIY Y LOWER ANGLI CKED PROBABI BULKHEAD. WH UE TO EXCESSIV UUT OF RIG RESUI	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IN TUBES REPLACED. IN BEECH IN 9091009913 IN TUBES REPLACE IN TUBES REPLACE IN TO VIBRATION FR STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN SUPPORT IN 204-030-749-01 IN THE BULKHEAI IN MOVEMENT OF T	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133 TCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO CRACKED, IT ALLOUTHE BELLCRANK SUPP	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE 3EECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUSI YET J. THIS ALLOWED THE WED FOR THE T/R CHAIN PI ORT. THE PITCH CHANGE MI OTENTE THE PITCH CHANGE MI	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GHE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIRST SINSPECT. 09/04/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIRST SINSPECT. 09/04/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIRST SINSPECT. 09/11/2002 AUS20021189 MP CREATING A SPLIT IN ANGLES. TO 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 2 SUPPORT TO MOVE AND EVENTUAL TCH CHANGE MECHANISM TO BECCT.
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS: THE DOWN SWI BEECH C90A (CAN) ENGINE A AATTER SB COMP BEECH C90A (CAN) ENGINE A ATTER SB COMP BEECH C90A (CAN) ENGINE A TO STAN STAN SE GUIDE COLLAR CAUSED VIBRAT BEECH C35A GUIDE COLLAR CAUSED VIBRAT BEECH V35A (AUS) RH MAIN I BELL 204B (CAN) T/R FLIGI REINFORCED BY 030-749-013 CRA CRACKED THE DISENGAGED COMPLETELY O A MYSTERY AS	LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NOT INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A66 HALF CRACKED OURS. CASTING O CONT E2258 . CRACKED DUE TION. CONT IO520B LANDING GEAR LYC TS313B HT CONTROL BI Y LOWER ANGLI KCKED PROBABI BULKHEAD. WH UE TO EXCESSIV UT OF RIG RESULT TO WHY	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IN TUBES REPLACED. IN BEECH IN 9091009913 IN TUBES REPLACE IN TUBES REPLACE IN TO VIBRATION FR STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN SUPPORT IN 204-030-749-01 IN THE BULKHEAI IN MOVEMENT OF T	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREV ED TO ENSURE PROPE. SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWI. DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTH BRACKET 35361133 TCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO CRACKED, IT ALLOW THE BELLCRANK SUPP IR AUTHORITY. THE PA	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T'R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUS! YE T). THIS ALLOWED THE WED FOR THE T'R CHAIN PI ORT. THE PITCH CHANGE MI RT THAT HAS FAILED IS NOT	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GRAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT. 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIL 09/04/2002 375 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 2 SUPPORT TO MOVE AND EVENTUAL TCH CHANGE MECHANISM TO BECC ECHANISM RE-ENGAGED BUT WAS N UNDER EXTREME LOADS AND REMA
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS: THE DOWN SWI' BEECH C90A (CAN) ENGINE A AATTER SB COMP BEECH C90A (CAN) ENGINE A TINSPECTION AF BEECH C90A GUIDE COLLAR CAUSED VIBRAT BEECH C335 GUIDE COLLAR CAUSED VIBRAT BEECH V355A (AUS) RH MAIN I BELL C04B (CAN) T/R FLIGI REINFORCED BY 030-749-013 CRA CRACKED THE: DISSENGAGED U COMPLETELY OS BELL OCOMPLETELY OS BELL OCOMPLETELY OS BELL	LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO' INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI. PWA PT6A66 HALF CRACKED OURS. CASTING O CONT E2258 CONT E2258 CION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI CKED PROBABI BULKHEAD. WH UE TO EXCESSIV UIT OF RIG RESUI TO WHY ALLSN	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IN TUBES REPLACED. IN BEECH IN 9091009913 IN TUBES REPLACE IN TUBES REPLACE IN TO VIBRATION FR STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN STRUT SQUAT SWITT BELL IN SUPPORT IN 204-030-749-01 IN THE BULKHEAI IN MOVEMENT OF T	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREVED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (IN 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOWN DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTH BRACKET 35361133 TCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO CRACKED, IT ALLOY THE BELLCRANK SUPP (IR AUTHORITY. THE PALINE	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUSI YE T). THIS ALLOWED THE WED FOR THE T/R CHAIN PI ORT. THE PITCH CHANGE MI RT THAT HAS FAILED IS NOT CRACKED	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GI IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIE 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 2 SUPPORT TO MOVE AND EVENTUAI TCH CHANGE MECHANISM TO BECC ECHANISM RE-ENGAGED BUT WAS N 'UNDER EXTREME LOADS AND REMA 09/20/2002
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS THE DOWN SWI BEECH C90A (CAN) ENGINE A AFTER SB COMP BEECH C90A (CAN) ENGINE A BEECH C90A (CAN) ENGINE A BEECH C90A GCAN) ENGINE A BEECH C90A GCAN) ENGINE A BEECH C90A (CAN) ENGINE A BEECH C90A FOUND WHEEL WEAR. TT 375 H BEECH G35 GUIDE COLLAR CAUSED VIBRAT BEECH V35A (AUS) RH MAIN) BELL 204B (CAN) T/R FLIGI REINFORCED B 030-749-013 CRA CRACKED THE I DISENGAGED D COMPLETELY O A MYSTERY AS BELL 206B	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO INSTALLED. IT W TCH WAS NOT W PWA PT6A21 LNTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A6 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI CKED PROBABI BULKHEAD. WH UE TO EXCESSIV UT OF RIG RESULT TO WHY ALLSN 250C20	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN SHEARED. THE STEP IN TUBES REPLACED. IN SHEARED. TUBES REPLACED. IN SHEARED. TUBES REPLACED. IN TUBES REPLACED.	LOCK 61156 G BOLT NOT SUFFICI IMENDATION TO PREVED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-31 TUBE 9091009913 ED AS PER SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133 FICH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO CRACKED, IT ALLOV THE BELLCRANK SUPP //R AUTHORITY. THE PA LINE 68756320	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANKS R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A SE BEFORE FAILING THE SAM ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE BEECH) - NEW TUBES FOUND 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATION CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUS! YE T). THIS ALLOWED THE WED FOR THE T/R CHAIN PI ORT. THE PITCH CHANGE MI RT THAT HAS FAILED IS NOT CRACKED FUEL SYSTEM	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GH IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIR 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS DN. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 3 SUPPORT TO MOVE AND EVENTUAI TCH CHANGE MECHANISM TO BECC ECHANISM RE-ENGAGED BUT WAS N TUNDER EXTREME LOADS AND REMA 09/20/2002 CA021007004
AIRCRAFT EQUILOGBOOK. BEECH C23 LOCKPLATE FO CRANKSHAFT G VERIFIED AT 20 BEECH C90 (CAN) THE HANI CONTROL WAS THE DOWN SWI BEECH C90A (CAN) ENGINE A AFTER SB COMP BEECH C90A (CAN) ENGINE A INSPECTION AF BEECH C90A FOUND WHEEL WEAR. TT 375 H BEECH G35 GUIDE COLLAR CAUSED VIBRAT BEECH V35A (CAUS) RH MAIN I BELL 204B (CAN) T/R FLIGI REINFORCED BY 030-749-013 CRA CRACKED THE I DISENGAGED D' COMPLETELY O A MYSTERY AS BELL 206B (CAN) AIRCRAF	IPPED WITH A C. LYC O360A4K OR CRANKSHAF GEAR DOWEL PIN 4IN/LBS AND LO PWA PT6A28 DLE WOULD NO' INSTALLED. IT W TCH WAS NOT W PWA PT6A21 ANTI-ICE INTAKE PLIANCE. PWA PT6A21 ANTI-ICE (INTAK TER SB COMPLI PWA PT6A64 HALF CRACKED OURS. CASTING O CONT E2258 CRACKED DUE TION. CONT IO520B LANDING GEAR LYC T5313B HT CONTROL BI Y LOWER ANGLI CKED PROBABI BULKHEAD. WHY ALLSN 250C20 T LANDED NORI	I GEAR RETAINING IN SHEARED. RECOM IN WORK IN THE DOV IN WORKED FOR 229.5 F IN WORKED FOR 229.5 F IN TUBES REPLACED. IN TUBES REPLACED. IN TO WIBRATION FR STRUT SQUAT SWITT BELL IN SUPPORT IN SU	LOCK 61156 G BOLT NOT SUFFICE IMENDATION TO PREV ED TO ENSURE PROPE SWITCH A4503M95 WN POSITION UNLESS: HOURS AND 216 CYCLE HE THIRD CONTROL W TUBE 9091010017 AS PER BEECH SB 71-3142 (I N 90-910099-13 R/H P/N WHEEL 300257 CAUSING LEAK DOW! DEFECT. PART WAS SI COLLAR 83410 OM PROPELLER. BOTI BRACKET 35361133 TCH ATTACHMENT BR. BULKHEAD 204030749017 RT P/N 204-001-814-001 3 AND UPPER ANGLE SION (NOT VERIFIED TO CRACKED, IT ALLOV THE BELLCRANK SUPP R AUTHORITY. THE PA LINE 68756320 FUEL WAS NOTICED D	OVERTORQUED CRANKSHAFT ENTLY BENT ALLOWING OF TENT RECURRENCE: CRANK: R LOCKING OF THE PLATE A FAILED MLG THE HANDLE WAS TAPPED. A S BEFORE FAILING THE SAME ITH THE SAME PROBLEM IN CRACKED INTAKE ANTI ICE 42, WERE FOUND CRACKED CRACKED INTAKE ANTI ICE 3EECH) - NEW TUBES FOUNI 90-910100-17 CRACKED MLG N OF TIRE. THERE WERE NO ENT TO MFG FOR EVALUATIO CRACKED PROPELLER H BLADES SLIPPED IN CLAN CORRODED LANDING GEAR POS ACKET CORRODED THROUG CRACKED T/R FLT CNTRL AT ATTACHES TO BULKHEAD P/N 204-030-749-015. WE SUSI YE T). THIS ALLOWED THE WED FOR THE T/R CHAIN PI ORT. THE PITCH CHANGE MI RT THAT HAS FAILED IS NOT CRACKED FUEL SYSTEM RIPPING FROM ENGINE PAN	10/03/2002 2002FA0001191 CRANKSHAFT GEAR BOLT TO LOOS SHAFT GEAR BOLT TORQUE SHOULD GAINST THE BOLT HEAD. 08/29/2002 CA021002015 A NEWLY OVERHAULED LANDING GI IE WAY. AFTER REMOVING THE HANI 10 MONTHS 450 HOUR OF FLYING. 09/24/2002 CA020927004 (NOT SEPARATED) AT FIRST INSPECT 09/24/2002 CA021004006 D CRACKED (NOT SEPARATED) AT FIE 09/04/2002 2002FA0001169 SIGNS OF OVER TORQUE OR EXCESS ON. 09/25/2002 2002FA0001189 MP CREATING A SPLIT IN ANGLES. T 09/11/2002 AUS20021032 H. 09/02/2002 CA020918010 P/N 204-030-749-017. THE BULKHEAI PECT THAT THE LOWER ANGLE P/N 2 SUPPORT TO MOVE AND EVENTUAI TCH CHANGE MECHANISM TO BECC ECHANISM RE-ENGAGED BUT WAS N 'UNDER EXTREME LOADS AND REMA 09/20/2002

BELL	ALLSN	SHAFT	CORRODED	07/22/2002	
206L1	250C28B	23071311	ENGINE	2002FA0001147	ACE CLIDE ACE
	PECTION OF SHAFT, FOUND EXCESS REASE WAS ON SURFACE OF INNER I		R RACE AREA. EXCESSIVE C	OKKOSION ON INNER KA	ACE SURFACE.
BELL	ALLSN RROYCE	SEAL	DAMAGED	07/17/2002	
206L1	250C30 250C30P	895007	TURBINE SECTION	AUS20020972	
· /	REMOVED DUE TO METAL CONTAIN				
	IE NO6 AND NO7 BEARING SUMP STA EEN SUBJECTED TO A HEAVY LANDI			EAS ARE OVAL SUGGEST	ING THAT THE
BELL	ALLSN	LONGERON	CRACKED	09/07/2002	
206L3	250C30	206031314037	ROTORCRAFTTAIL	AUS20021040	
· /	M LONGERON CRACKED AROUND T		F. 17 FF	00/4/5/2002	
BELL 407		INDICATOR 407375001105	FAILED MGT	08/16/2002 YT2R631356	592
	S FAILED (FALSE EXCEEDANCES TH				YING THAT IP
ADDRESS IN NO	T CORRECT.				
BELL		INDICATOR	FAILED	08/16/2002	592
407 REPLACED GAI	JGE, INDICATOR HAS FAILED (FALS	407375002103 SE EXCEEDANCES) TH	NG at cannot be cleared v	YT2R631357 WHEN LAPTOP IS CONNE	CTED GET AN
	THAT IP ADDRESS IS NOT CORRECT.		TI CHINOI BE CELIRED.	WHEN EM TOT IS CONNE	CILD GLI AIN
BELL		DISPLAY	FAILED	04/01/2002	46
430	AH ED TO H LUMBIATE DEDI ACED W	430375002107	COCKPIT	AC2A081089	
EHSI SCREEN FA BELL	AILED TO ILLUMINATE REPLACED W ALLSN	TTH SERVICEABLE EFT SOLENOID	S TUBE. DEFECTIVE	04/01/2002	26
430	250C40B	430360055101	NR 1 ENGINE	AC2A081090	
	EFECTIVE. SNAP RING ON SHAFT UN				
BELL 47G5A	LYC LYC VO435B1A VO435B1A	CRANKSHAFT	CRACKED	09/18/2002	1050
	HAFT CRACKED. CRACK RAN THRO	72469 UGH THE OIL GALLER	RECIPROCATING Y. ACROSS THE THRUST FA	AUS20021053 ACE AND THROUGH THE	
	CK EXTENDS THROUGH ALMOST 60%				
BOLKMS	LYC GARRTT	ROTOR	DAMAGED	09/11/2002	
BK117B1	LTS101750B1 410102080 INE COMPRESSOR AXIAL ROTOR DA	410100639	TURBINE ENGINE C	AUS20021076	
CESSNA	LYC	ADAPTER	MISSING	09/23/2002	392
150H	O360A4A	LW15416	MAGNETO	2002FA0001187	
	AGNETOS FOR INSPECTION, AND FO				
	APTER, AND FOUND THAT PIECES OF IL FILTER, SCREEN, AND OIL SUMP				
	RMATION FROM THE MAGNETO DRIV			DEED THE ENGINE, AND I	KETOKNED TO
CESSNA	LYC	WIRE ROPE	BROKEN	08/02/2002	
172D	O360A1A	33924925	TIE RODS	CA020916005	E WAG HEADD
	OFF RUN, AT APPROXIMATELY 2 FT ECAME VERY UNSTABLE. ABORTED				
	AND CAME IN CONTACT WITH THE W				
	MANAGE TO KEEP THE A/C FROM INV				
	ON OF THE A/C WAS ENGINE POINTIN				AND BEACHED.
CESSNA	ON, IT WAS FOUND THAT BOTH CRO LYC	MOUNT	CRACKED	09/27/2002	10834
172L	O320E2D	05510171	ENGINE	CA021010003	10051
,	MOUNT ASSEMBLY CRACKED AT LO				
CESSNA	LYC PRECISION	FLOAT	DAMAGED	09/20/2002	
172P CARBURETOR S	O320D2J SEAT IN FOR REPAIR BECAUSE IT WA	S LEAKING AFTER DIS	CARBURETOR SASSEMBLY ONE PONTOON (2002FA0001124 OF (AP) FLOAT WAS FILLE	ED WITH FUEL
	OON HAD MARK FROM RUBBING H	OUSING.		(-11)1120111 WHOTIEDI	
CESSNA	LYC	ENGINE	MALFUNCTIONED	10/01/2002	
172R ENGINE SHIIT D	IO360C1A OWN IN FLIGHT. ABLE TO RESTART	ON GROUND DUNIUD IN	NACELLE NDICATES NO PROBLEMS, RI	2002FA0001173 EMOVED FUEL SERVO FO	R BACK/ELOW
	OIL IN SERVO NOT DETERMINED IF				
REPAIRED. FUE	L VENT SYSTEM CHECKED, OK. CAU	ISE OF SHUTDOWN UNI	KNOWN. NOT ABLE TO DUPI	LICATE.	
CESSNA		BULKHEAD	CRACKED	10/14/2002	82
172S FOUND AFT PRO	OPELLER SPINNER BULKHEAD CRAC	055032111 KED AT ONE ELANGE A	SPINNER T PROPELLER BLADE CUT O	2002FA0001183	34 TE AND SCREW
	ED TO PROPELLER SPINNER, CESSNA				
AFT SPINNER B	ULKHEAD REPLACED AT 82.2 HOURS	WITH. THIS IS AN ONG			
	R CESSNA SERVICE BULLETIN SB02-		EAHER	10/22/2002	1002
CESSNA 172S		TRANSMITTER S33311	FAILED RT FUEL TANK	10/22/2002 2002FA0001199	1893
	TITY WENT TO "0" IN FLIGHT, AIRCRA				TRANSMITTER
FLOAT SEPARA	TED FROM THE TRANSMITTER. THE I	FLOAT ATTACH ARM B	ROKE OUTBOARD OF THE FL	OAT WHERE IT WAS CRIN	MPED AND THE
	SHER AND FLOAT SEPARATED. THE P			CED THE TRANSMITTER, F	RESEALED THE
TANK ACCESS (CESSNA	COVER, RESEVICED, RECALIBRATED LYC	AND LEAK CHECKED S SELECTOR	SATISFACTORY. MISINSTALLED	10/23/2002	2319
177RG	IO360A1B6	8857K44	MLG	2002FA0001204	2317
PILOT INADVE	RTENTLY BUMPED MLG SWITCH ON	SHORT FINAL WHILE	MOVING THE TRIM WHEEL	L, CAUSING A GEAR-UP I	
	TO WORK ON MLG SWITCH. UPON				
	D THE SPRING LOADED SAFETY TO (FCH WITHOUT PULLING OUT ON THI				
	NOB AND CHECKED THE OPERATION			ALDO WIN LOSITION, INST	ALLED A NEW

CESSNA	LYC	SPAR	CORRODED	10/11/2002	3040
177RG	IO360A1B6	17107036	WING	2002FA0001219	
	CARRY THRU SPAR CORROSION WHEN I				
	E PICKED AT AND MOST OF THE SURFA ATMENT. CAUSE IS PROBABLY FROM EX			ON INDICATING CORE	ROSION THAT
CESSNA	CONT CESSNA	O-RING	LEAKING	09/13/2002	3708
210E	IO520*	AN6227B9	ACTUATOR	2002FA0001115	3700
	DED WITH MAIN LANDING GEAR UP A				
	OR. LEAK RATE DEPLETED RESERVOIR A	AND WAS TOO GREAT F	OR HAND PUMP VOLUME. MM I	HAS NO REPLACEMEN	NT SCHEDULE
FOR THESE ORI CESSNA	NGS. CONT	SADDLE	CRACKED	09/14/2002	2441
210E	IO520*	12414231	MLG	2002FA0001125	2441
	DLES WERE FOUND TO BE CRACKED IA				1.
CESSNA	CONT	ACTUATOR	CRACKED	09/08/2002	
210K	IO520L	12810061	LANDING GEAR	AUS20021036	1367
	I LANDING GEAR COULD NOT BE EXT HE RACK AREA TWO TEETH IN FROM TH				
	EACH MARKS' INDICATING A FATIGUE F				
	EXTEND GEAR, REASON STILL TO BE EST		lego ker okteb iv tile eooki	III I III OIC TO EZ II IDII IC	JI OLLO WING
CESSNA	CONT	TORQUE TUBE	CRACKED	08/27/2002	
310R	IO550*	504501032	MLG	AUS20020970	
	LANDING GEAR TORQUE TUBE CRACKE	D IN WELDED AREA AF DOWNLOCK			Y CORRODED.
CESSNA 337F	CONT IO360C	S20881	BROKEN MLG	09/15/2002 CA021004007	
	E THAT ATTACHES TO THE LT MLG DOW				ILLUMINATE
	AS SELECTED DOWN. THE WIRES THAT A				
	ITE THIN FOR THE APPLICATION.				
CESSNA	CONT	BELLCRANK	BROKEN	09/26/2002	
340A	TSIO520*	504100112	RT MLG WHEEL	2002FA0001170	ADLI ANDDING
	ANDING GEAR COLLAPSED ON ROLLOU TION LINK (PN 504100112) SEPARATED F				
	INSTANTANEOUS AND UPPER STRUT A				
APPARENT.					
CESSNA		ESCAPE HATCH	SEPARATED	08/16/2002	12782
402B		52111302	FUSELAGE	081620027947Q	
	& TWF PILOT REPORTED A LOUD BOOM				
	WAS MISSING. HE NOTIFIED SALT LAK AND CONTINUED SAFELY TO TWF.	E CENTER OF THE SITU	JATION. NO OTHER DAMAGE V	VAS NOTICED. THE PI	LOTSLOWED
CESSNA	CONT	SPAR CAP	CORRODED	09/06/2002	
402C	TSIO520VB	512204123	WING SPAR	AUS20020995	14201
	LOWER REAR SPAR CAP CORRODED I				DED AREA IS
	VARD OF THE AILERON FROM WS 206 T				
CESSNA	CONT	SKIN	CORRODED	09/06/2002	1.1201
402C	TSIO520VB LOWER SKIN CONTAINED THREE CORRO	512201120	WING, PLATES/SKI	AUS20020996	14201
,	ATION AS ONE OF THE HOLES.	JSION HOLES IN TO THE	ETANK, AFT STRINGER CONTAI	INEDEAFOLIATION	OKKOSIONIN
CESSNA	CONT	STRUCTURE	BROKEN	09/11/2002	5800
414	TSIO520*	50340091	ELEVATOR TAB	2002FA0001142	
	UR INSPECTION, ELEVATOR TRIM BEAR				
	VATOR TRIM TAB HORN WAS REMOVE				
	M THE MATING SCREW, THEY SEPARAT AS NOTED THAT ONE HAD RUST CORRO				
	ONLY ATTACHMENT OF THESE SCREW				AD A FULL 100
CESSNA	CONT	SPARK PLUG	FOULED	10/02/2002	125
421C	GTSIO520*	RHB32E	ENGINE	2002FA0001159	
	ETO ON RT ENGINE DURING RUN UP. PU				
	TRODE TOUCHING CENTER ELECTROD			THEY WERE FOUND	TO BE VERY
	DATING. SUSPECT THAT SPARK PLUG V			00/20/2002	
CESSNA 550	PWA JT15D4	BUSHING 664130667	CORRODED MLG	09/30/2002 CA021001007	
	PHASE 5 INSPECTION CORROSION WAS				TY THE PINS
	D AND CORROSION WAS FOUND ON THE				
AND BUSHING	WITH ROLL PINS. THE GEAR IS REQUIRE	D TO BE REMOVED AT	25800 LANDINGS, BUT, THERE	IS NO REQUIREMENT	Γ TO REMOVE
AND INSPECT T					
CESSNA	PWA	PANEL	CORRODED	09/30/2002	
550	JT15D4 FBOARD CORNER OF BONDED DOUBLE	65210008	STUB WING	CA021001008	NILIE A CTLIDE
	ROSION WAS FOUND AT THE FWD OUTE				
	A THAT CAN BE INSPECTED UNLESS T				
DOUBLER.					
CESSNA	PWA CESSNA	BULKHEAD	WORN	09/30/2002	
550	JT15D4	641201534	FUSELAGE	CA021002001	O #FILE * 0
	HE ELEVATOR TRIM CABLES PASS THRO			OUND WEARING INTO	O THE LOWER
CESSNA	E HOLE & THE LT CABLE WAS JUST CLE PWA	AR BY ABOUT .020 INC STARTER GEN	H. INOPERATIVE	10/16/2002	950
560CESSNA	JT15D5	300SGL129Q	RIGHT	2002FA0001218	750
	ROPPED OFF LINE DURING FLIGHT AND				O SHUTDOWN
	LD NOT ROTATE FOR NEXT START. REPL	ACED RIGHT STARTER	GENERATOR.		
CHECKED OK.					

CESSNA CONT FILTER CONTAMINATED 07/30/2002 A188B IO520D 2002FA0001114 7560097 FUEL SYSTEM THE FUEL FILTER SUFFERED CONTAMINATION TO THE POINT OF ENGINE LEANING. REDUCING POWER TO LOW TO MAINTAIN FLIGHT WHILE IN AERIAL APPLICATION WORK. THE ALTITUDE WAS APPROXIMATELY .5000 FT AGL THE SPEED OVER THE CROP WAS 115 MPH. REPOSITIONING THE FUEL FILTER STRAINER DRAIN SO ONE COULD SEE THE CONDITION OF THE FUEL BEING DRAINED WOULD UNDOUBTEDLY HELP TO DETERMINE IF CONTAMINATION IS PRESENT IF AT ALL IN THE FUEL. CRACKED TR182 22411001 2002FA0001165 MLG MLG AXLE ATTACHMENT FITTING, FOUND CRACKED AT TOP OUTBOARD EDGE. CRACK IS VISIBLE WITHOUT ADDITIONAL AIDS. CRACK ORIGINATES AT THIN EDGE WHERE FITTING WAS MACHINED DURING MANUFACTURE. CRACK IS ALSO IN ALIGNMENT WITH FORGING LINE. CIRRUS FITTING LOOSE 09/25/2002 10332002 AILERON HINGE 2002FA0001117 DURING INSPECTION FOUND LT INBOARD AILERON HINGE LOOSE, CONDITION FOUND BY FEELING A CLUNK WHILE MOVING TRAILING EDGE OF AILERON UP AND DOWN SLOWLY, TRAILING EDGE OF AILERON HINGE ABLE TO BE MOVED 1/8" UP AND DOWN. FOUND EVIDENCE OF "TORQUE-SEAL" ON ATTACH BOLT NUTS AND THREADS. CONTINUED MOVEMENT OF AILERON HINGE COULD POTENTIALLY DAMAGE ATTACH HARDWARE AND CAUSE SEPARATION OF AILERON FROM WING. DEFORMED 2002FA0001111 SR22 10209001 MLG DURING A SCHEDULED INSPECTION FOUND BOTH MAIN GEAR LEG ATTACH BRACKET GROMMETS SEVERELY CRACKED AROUND FLANGES AND DISTORTED. HAVE FOUND SIMILAR CONDITION ON SEVERAL CIRRUS SR20 AND SR22 AIRCRAFT WITH TOTAL TIME IN SERVICE AS LOW AS 105 HOURS. TOTAL FAILURE OF THE GROMMET WILL RESULT IN DAMAGE TO THE LAMINATED MAIN GEAR LEG THAT WILL RENDER IT UNSERVICEABLE. SUGGEST CLOSE ATTENTION TO THESE PARTS DURING SCHEDULED INSPECTIONS AND AFTER HARD LANDINGS. BUMPER BLOCK HUGHES LYC MISSING 08/09/2002 269C1 HIO360C1A 77416 ENGINE 2002FA0001149 DURING A SCHEDULED INSPECTION. THE LOWER PULLEY DRIVESHAFT WAS FOUND TO HAVE AN ABNORMAL AMOUNT OF MOVEMENT. UPON REMOVING THE SHAFT, THE CRANKSHAFT BUMPER BLOCK WAS FOUND TO BE MISSING. IT SHOULD BE NOTED THAT THIS PART IS NOT IN EITHER THE AIRFRAME OR THE ENGINE MANUFACTURERS PUBLICATIONS. THERE IS NO STEP TO INSTALL OR INSPECT FOR INSTALLATION OF THIS BUMPER IN THE ENGINE INSTALLATION PROCEDURES HUGHES BEARING LOOSE 07/17/2002 369D 369D2172121 TAIL ROTOR 2002FA0001179 AIRCRAFT WAS EXPERIENCING INCREASED TAIL ROTOR VIBRATIONS IN THE TAIL ROTOR FORK, UPON REMOVAL, ONE BEARING POPPED OUT. IT APPEARS THAT IT HAD ALREADY BEEN LOOSE AND ROTATING WITHIN THE FORK. GARRTT SEAL CRACKED LEAR 09/27/2002 TFE73122B 35LEAR 3001241 BLEED AIR DUCT CA020930001 (CAN) LT BLEED AIR WARNING CAME ON AT FLIGHT LEVEL 41000. BLEED AIR SHUT-OFF & SWITCH SELECTED IN THE OFF POSITION LIGHT EXTINGUISHED. FOUND LEFT HAND PYLON BLEED AIR DUCT SEALS DRIED AND CRACKED. SWITCH FAILED 07/29/2002 E45C47 CABIN PRESSURE 2002FA0000969 ANEROID SWITCH FAILED SPECIFIC PRESSURE LIMITS. LUSCOM SPAR CORRODED 09/29/2002 A 65* LT & RT WINGS 2002FA0001174 INTERGRANULAR CORROSION, FOUND IN THE FOLLOWING WING COMPONENTS DURING A REPAIR/REBUILD PROCESS. LT AND RT MAIN SPAR BEAMS, REAR, LEFT MAIN SPAR BEAM, FRONT. MOONEY **FAILED** 09/21/2002 O360A1D 76617 ENG OIL 2002FA0001157 DURING FLT, SHORTLY AFTER DEPARTURE FROM LAF, IN CRUISE AT 3,000 FT, PILOT HEARD A POP FROM THE ENGINE. SMOKE FROM FRONT COWLING, AND IN THE COCKPIT. CONTACTED TOWER TO ADVISE OF SITUATION AND BEGAN 180 DEGREE TURN TO RETURN TO LAF. HEARD TWO MORE POPS FROM ENGINE AND BEGAN LOSING POWER. COULD NOT MAINTAIN ALTITUDE. ADVISED TOWER OF PUTTING AIRCRAFT DOWN IN A FIELD. AIRCRAFT LANDED IN FIELD APPROXIMATELY 12 MILES NW OF LAF. NO DAMAGE TO AIRCRAFT DURING THE EMERGENCY LANDING. INSPECTION OF THE AIRCRAFT REVEALED THE PROP GOVERNOR EXTERNAL OIL LINE FRACTURED AT THE B-NUT CAUSING LOSS OF OIL. THE NR 2 CYLINDER AFT PUSH ROD FAILED DUE TO LACK OF OIL AND CREATED A HOLE IN THE ENGINE CASE. MOONEY 07/26/2002 LYC LYC BEARING **FAILED** AUS20021005 M20F IO360A1A IO360A1A RECIPROCATING UK (AUS) ENGINE OIL FILTERS CONTAMINATED WITH METAL. SUSPECT CAUSED BY FAILURE OF EITHER MAIN BEARING OR BIG END BEARING. MOONEY BENDIX DISTRIBUTOR CRACKED 10/01/2002 2002FA0001193 IO360A3B6 ES10682054 MAGNETO DISTRIBUTOR GEAR TOOTH DAMAGE. SEVERAL GEAR TEETH BROKEN ON BOTH GEARS, NEW GEARS WERE FOUND TO BIND ON ROTOR PINION GEAR EVERY 90 DEGREES. NO ROTOR TO HOUSING INTERFERENCE INDICATED, VISUAL INSPECTION REVEALED NO CRACKS OTHER THAN ACCEPTABLE STRESS CRACK AT BEARING BORE IN BLOCK. GEAR AXLE BUSHINGS APPEAR SECURE, MAY BE MISALIGNED FROM WARPAGE OR MANUFACTURE DEFECT, SCREW THREAD INSERTS FOR CONTACT ASSY, PULL OUT BEFORE REACHING MINIMUM TORQUE, BLOCK HAS A 94 DATE CODE. REPLACED BLOCK, MAGNETO FUNCTIONS PROPERLY. UNIVERSAL INOPERATIVE 09/09/2002 TSIO360* M20K 740009007 PITCHTRIM 2002FA0001209 DURING INVESTIGATION OF AUTO PILOT PITCH OSOLATIONS. FOUND UNIVERSAL JOINT AT PITCH TRIM JACK SCREW SQUARE DRIVE ISSUING ONE OF THE FOUR STAKED IN ROLL PINS. MOONEY WORN CLAMP 10/12/2002 2002FA0001180 660017003 THROTTLE BODY IO550G OWNER COMPLAINED THAT HE WAS UNABLE TO CLOSE THROTTLE TO LAND. THE MIXTURE HAD TO BE MOVED TO CUT-OFF TO LAND. INVESTIGATION REVEALED THAT THE THROTTLE CABLE HOUSING WAS MOVING IN THE CLAMP LOCATED AT THE THROTTLE BODY PREVENTING THE THROTTLE FROM CLOSING ALL THE WAY. THE CLAMP HALVES WERE WORN INTERNALLY TO THE POINT THAT THEY NO LONGER WERE TIGHT. THE INTERNAL RIDGE IN THE CLAMP HALVES THAT CONTACTS A GROOVE IN THE THROTTLE CABLE HOUSING WAS WORN AWAY. THE WEAR APPEARS TO HAVE BEEN CAUSED BY VIBRATION. THE CLAMP IS MADE OF ALUMINUM. IT WOULD SEEM THAT A HARDER MATERIAL WOULD BE APPROPRIATE. AT THE SAME TIME THE MIXTURE CABLE CLAMP WAS FOUND WORN AND CLOSE TO FAILURE. THIS IS THE SAME CLAMP USED ON PILATS RELAY **FAILED** 09/23/2002 HORIZONTAL STAB PC1245 PT6A67B 9742001212 CA021003004 (CAN) FLIGHT CREW EXPERIENCED UNCOMMANDED UP TRIM ON HORIZONTAL STAB TRIM. SYSTEM WAS DEACTIVATED USING TRIM INTERRUPT SWITCH, AND AIRCRAFT LANDED USING ACT. STAB TRIM. ON INVESTIGATION FAULTY RELAY FOUND (K22) RELAY REPLACED AND SYSTEM TESTED

	2002				1711710	7 13 1071
PIPER	GARRTT		LINE	CHAFED	10/24/2002	6830
PA23	TFE7313R1D		30726361	LEFT ENGINE	JV2R200200001	0030
				VED CLAMP AND INSPECTED		
				RN CAUSING METAL TO META	L CONTACT. INSPECTI	NG THE LINE
AT THE CHAFEL PIPER	AREA AND USIN LYC	G THUMB NAIL, A HO	CARBURETOR	INOPERATIVE	09/09/2002	4000
PA28151	O320E3D		MA4SPA	ENGINE	2002FA0001130	4000
		LIVER, .188 LONG, .018		S FOUND BETWEEN THE NEEDL		PREVENTING
				Y ASSEMBLY, WHERE THE FUEI		
IS INSTALLED.						
PIPER PA28161	LYC O320*		BOLT	SHEARED LT MLG	09/05/2002 2002FA0001131	12250
		PPER AND LOWER RE	TAINING BOLTS UPON	N LANDING, AIRCRAFT USED F		NG AND HAS
				TS AND INSPECT MOUNTING A		107111071110
PIPER	LYC		FITTING	BROKEN	09/05/2002	
PA28R180	IO360B1E		6703102	LANDING GEAR	AUS20021047	
· /				G FLIGHT AND LANDING GEAL		
BADLY CRACKE		ME PAKT WAS KEMOV	ED FROM THE KH MA	IN LANDING GEAR (PNO 67031	-03) AND WAS ALSO F	OUND TO BE
PIPER	LYC		TRUNNION	FAILED	09/01/2002	
PA28R201	IO360C1C6		6705403	NOSE/TAIL LANDIN	AUS20020984	
,	IDING GEAR TRUI	NNION ATTACHMENT	LUG FOR THE EXTENS	SION SPRING FAILED. NOSE LA	NDING GEAR COLLAP	SED DURING
LANDING.			an. n. a. n	G077 0777	00/00/000	
PIPER PA30	LYC IO320C1A		SPAR CAP 2355100	CORRODED WING SPAR	09/02/2002 AUS20021019	5926
		FORWARD SPAR CAPS		EXFOLIATION CORROSION IN		
				FFECTED BUT CAN ONLY BE S		
REMOVED.						
PIPER	LYC	LYC	PLUG	MISSING	09/13/2002	
PA31	TIO540A2B	TIO540A2B		RECIPROCATING	AUS20021062	
			TLY. INTERNAL INSPE JRING ENGINE OVERH	CTION FOUND THE INTERNAL	SUMP OIL PICKUP GAI	LLERY PLUG
PIPER	LYC	LYC	CRANKCASE	CRACKED	09/24/2002	
PA31	TIO540A2B	TIO540A2B	L224361	RECIPROCATING	AUS20021063	
(AUS) ENGINE C			ACENT TO THE FRONT	CYLINDER. THIS DEFECT IS LI		062 (MISSING
OIL PLUG).						
PIPER	LYC	BENDIX	FCU	OUT OF ADJUST	03/09/2002	
PA31	TIO540A2B	RSA10ED1 JIT OUT OF ADJUSTME	252416315	FUEL	AUS20021068	25
PIPER	LYC	LYC	PISTON RING	BROKEN	08/14/2002	
PA31	TIO540A2C	TIO540A2C	SL73857	RECIPROCATING	AUS20020971	
(AUS) NO6 CYLI	NDER OIL CONTR	OL PISTON RING BRO	KEN. BROKEN RING IN	IGESTED BY OIL PUMP.		
PIPER	LYC		STRUCTURE	CRACKED	08/26/2002	14253
PA31	TIO540A2C	HAD A CMALL CD A CW	EDON'T AND DACK ON	MLG DOOR	CA021002011	D DOOD IIA D
· /		HAD A SMALL CRACK HE HINGE TO THE GEA		ER THE HINGE TO THE GEAR LE	G. K I OU I BOAKD GEA	K DOOK HAD
PIPER	LYC	IE IIINGE TO THE GEA	RIB	CRACKED	08/26/2002	14253
PA31	TIO540A2C		4040522	MLG DOOR	CA021002012	
				HINGE ATTACH TO THE OUTBO		S CRACKED.
		OR REINSTALLED. IF I		OR COULD HAVE JAM IN THE V		
PIPER	LYC TIO540A2C		SKIN 4472303	CRACKED	08/26/2002 CA021002013	14253
PA31 (CAN) ON INSPEC		TICED THAT WHERE TH		RT WING IES TO THE UP POSITION, THE RI		FLSTOPWAS
				M THE MANY CYCLES.	BHOLDHAG THE WHE	ELUTOT WILD
PIPER	LYC	OZONE	SPRING	BROKEN	04/22/2002	
PA31	TIO540A2C	O14529243	756265	DOOR ACTUATOR	CA021002014	
				N MASTER WAS CLOSE OFF. TH	IE DOOR CAME OPEN.	THE SPRING
PIPER	LYC	USHES THE BALL LUC	K WAS FOUND BROKE SKIN	CRACKED	09/30/2002	
PA31	TIO540J2BD		4015514	HORIZONTAL STAB	CA021007003	
		IZER LEADING EDGE	SKIN CRACKED APPRO	OXIMATELY 13 INCHES.		
PIPER	LYC		INTAKE VALVE	BROKEN	09/16/2002	577
PA31350	TIO540J2BD	END IDIDED ONLIGE	DOWNER WALLE BELL	CYLINDER	2002FA0001116	
PIPER	LYC	PIPER	POWER, VALVE REMA DOUBLER	INED IN CYLINDER. CRACKED	09/16/2002	
PA31350	TIO540J2BD	4020023	315359	AILERONS	AUS20021050	
				ELY BELOW THE INBOARD HIT		ATE LOWER
				T INSPECTION IAWAD/PA31/11		
PIPER	PWA	PIPER	CLAMP	LOOSE	09/01/2002	
PA31T	PT6A28	8124402	554901	AIR DISTRIBUTION	CA020919001	WAS FOLIND
				N, THE FORWARD CLAMP ON T EVAPORATOR BOX WAS THE		
PIPER	LYC		DOUBLER	CRACKED	09/06/2002	
PA32RT300	IO540K1G5		6206105	WING, PLATES/SKI	AUS20020997	
		GATED DOUBLER CRA	CKED IN AREA NEAR F		00/06/00	
PIPER	LYC		RIB	CRACKED	09/06/2002	
PA32RT300 (AUS) RH WING	IO540K1G5 RIB CRACKED AL	ONG RIVET LINE IN TI	3821800 HREE PLACES	WING, RIB/BULKHE	AUS20020998	
(-100) 101 11110	CIGICIED AL	IL / LI LINE IN II	LIZIOLO.			

PIPER LYC CRANKSHAFT CRACKED 09/06/2002 LYC PA32RT300T TIO540S1AD TIO540S1AD 13F17785 RECIPROCATING AUS20021018 1635 (AUS) CRANKSHAFT CRACKED IN FORWARD RADIUS OF NO4 MAIN BEARING JOURNAL. FOUND DURING MAGNETIC PARTICLE INSPECTION. ENGINE HAD A BULKSTRIP CARRIED OUT AT 86.2 HOURS DUE TO PROPELLER STRIKE. DAMAGED 09/13/2002 RIB 7847502 NACELLE CA021007014 PA34200 IO360C1E6 (CAN) PILOT ON A RETURN FLIGHT HOME EXPERIENCED A SLOWER THAN NORMAL LANDING GEAR RETRACTION. A VISUAL INSPECTION WAS CARRIED OUT. INSPECTION OF THE LEFT MAIN GEAR AREA REVEALED TWO RIB ASSEMBLIES DAMAGED. THEY WERE LOCATED ADJACENT TO EACH SIDE OF THE GEAR LEG, AT STATION 49.25 AND 69.24. THE AIRCRAFT WAS REMOVED FROM SERVICE. DURING THE GEAR REMOVAL, THE SUPPORT FITTING (AFT) WAS FOUND CRACKED AT THE LOWER OUTBOARD BOLT HOLE. PART NUMBER FOR THE RIB ASSEMBLIES WERE 78475-04 AND 78500-02. SUPPORT FITTING NUMBER WAS 67042-012. AIRCRAFT AIRFRAME HOURS WERE 7138.6. THE AIRCRAFT WAS TWO HOURS AWAY FROM A SCHEDULED 50 HOUR INSPECTION. THE RIB ASSEMBLIES AND SUPPORT FITTING REPLACEMENT WAS CARRIED OUT, AND LANDIN PIPER CONT DRIVE SHAFT FAILED 08/22/2002 PA34200T TSIO360EB OIL PUMP 2002FA0001153 640926 RT ENGINE LOST OIL PRESSURE AFTER TAKEOFF DISASSEMBLY REVEALED BROKEN OIL PUMP DRIVE SHAFT/GEAR, SHAFT IS THE WEAK LINK. PIPER DISTRIBUTOR BURNED 09/25/2002 CONT PA34220T TSIO360* MAGNETO 2002FA0001143 DURING MAGNETO PERFORMANCE. CHECK PRIOR TO FLIGHT. PILOT NOTED ENGINE WANTED TO OUIT RUNNING WITH RIGHT MAGNETO SELECTED TO OFF. EXTERNAL INSPECTION OF MAGNETO LEFT CHECKED GOOD, REMOVED LEFT MAGNETO AND INSPECTED INTERNALLY. INSPECTION REVEALED .5000 INCH SECTION OF DISTRIBUTOR BLOCK BURNED AWAY. UNKNOWN CAUSE AND NO RECOMMENDATION AT THIS TIME PIPER CONT CONT LINE CHAFED 10/08/2002 TSIO360RB TSIO360RB1B 6544453 ENGINE FUEL PA34220T 3399 FUEL INJECTION LINE TO NR 3 CYLINDER CHAFED BY CLAMP SECURING RUBBER INDUCTION COUPLING FROM INDUCTION SPIDER TO NR 5 CYLINDER INTAKE TUBE. PIPER SEAL LEAKING 10/24/2002 PA44180 MLG ACTUATOR 2002FA0001211 RIGHT MAIN GEAR ACTUATOR LEAKING AT SHAFT SEAL. ACTUATOR REPLACED. ACTUATOR PREVIOUSLY REPLACED AT 32.3 HOURS AFTT. THIS IS AN ONGOING PROBLEM WITH PIPER ACTUATOR. SO FAR ON A FLEET OF ONLY 7 PA-44 AIRCRAFT WE HAVE REPLACED 18 ACTUATORS SINCE AUGUST 2002, PIPER FACTORY HAS BEEN AWARE OF THE PROBLEM AND ARE WORKING WITH ON A NEW SEAL. WE FIND THE ACTUATOR SHAFTS HAVE BEEN LEFT WITH VERY SHARP EDGES ON THE OUTER END WHERE IT IS MACHINED. WE HAVE ALSO FOUND THE WITNESS HOLE FOR THE ROD END NOT CHAMFERED TO GET RID OF BURRS. THESE ARE TEARING UP THE SEALS. IT IS ALSO NOTED THAT THE SEALS SEEM TO BE VERY SOFT, AN ALTERNATE SEAL (O-RING) IS LISTED IN THE PARTS CATALOG. MISSING 10/24/2002 SPACER CARB HEAT PA44180 9506182 &83 2002FA0001210 DURING LANDING ROLLOUT THE RIGHT ENGINE QUIT. ENGINE WAS RESTARTED AND RUNUP NORMAL EXCEPT FOR CARB HEAT OPERATION. MAINTENANCE FOUND BOTH LT&RT CARB HEAT CONTROLS NOT RIGGED RIGHT. MECHANIC OPENED CONSOLE AND FOUND THE SPACERS FOR THE PROPERTY OF THE PROPBOTH CARB HEAT LEVERS HAD NOT BEEN INSTALLED AT THE FACTORY AND THIS ALLOWED THE CARB HEAT CONTROL LEVERS TO HANG UP ON THE CONSOLE FRAME PIPER LYC **VALVESEAT** MISREPAIRED 09/27/2002 2002FA0001152 PA44180 LO360E1A6 CYLINDER 72057 DURING ROUTINE COMPRESSION TEST FOUND NR 3 CYL COMPRESSION LOW. REMOVED CYLINDER AND FOUND THE INTAKE VALVE SEAT HAD BEEN INSTALLED AND GROUND CROOKED AT THE FACTORY. SEAT WAS REINSTALLED AND GROUND CORRECTLY AND CYL REINSTALLED ON ENGINE PIPER MISREPAIRED 09/27/2002 LYC VALVESEAT PA44180 O360* 2002FA0001154 **ENGINE** 72057 DURING ROUTING COMPRESSION TEST FOUND NR 4 CYLINDER COMPRESSION LOW, REMOVED CYLINDER AND FOUND THE INTAKE VALVE SEAT HAD BEEN INSTALLED AND GROUND CROOKED AT THE FACTORY, SEAT REINSTALLED AND GROUND CORRECTLY AND REINSTALLED ON THE ENGINE RAYTHN GARRTT PRESSURE LEAKING 10/08/2002 428 HAWKER800XP TFE731* HE151854SN1 NR 2 HYD SYSTEM 2002FA0001186 HYD FLUID SQUIRTING FROM UPPER PART OF PRESSURE SWITCH. SEAL SKRSKY TMECA LEAKING 10/13/2002 ARRIEL1D 23063372 **ENGINE** AC2A081172 S76A ENGINE STARTED LEAKING OIL AFTER OIL FLOW CHECK. REPLACED SEAL SKRSKY TMECA SWIVEL FRACTURED 09/10/2002 1945E81 LANDING GEAR AUS20021038 S76C ARRIEL1S (AUS) LH UNDERCARRIAGE DOOR LINK SWIVEL BROKEN. INVESTIGATION FOUND THAT THERE WAS AN INDICATION OF A PRE-EXISTING CRACK IN THE RADIUS THROUGH APPROXIMATELY ONE THIRD OF THE DIAMETER. SNIAS TMECA TMECA **IGNITER** UNSERVICEABLE 08/20/2002 ARRIEL1B AS350BA ARRIEL1B 9550168760 SPARK PLUG/IGNIT AUS20020974 (AUS) ENGINE IGNITERS FAULTY. IGNITER IS MANUFACTURED BY EYQUEM. BROKEN 09/11/2002 SOCATA LYC ROD END O320D2A TB1017012000 RT AILERON CA020917005 (CAN) ON A SCHEDULED MAINTENANCE INSPECTION THE RT AILERON SWIVEL ROD END WAS FOUND STIFF. ON FURTHER INSPECTION THE BEARING RACE WAS FOUND BROKEN AND SOME OF THE BALL BEARINGS WERE MISSING. SOCATA SEATBELT FAILED 10/17/2002 T700A251000710 TBM700 CABIN 2002FA0001198 SEAT BELT BUCKLE CAME APART WITH A SIMPLE JERK TEST, WITH A STEADY PULL ON THE SEAT BELTS THE BELTS HOLD OK, ALL BELTS IN THE AIRCRAFT DID THE SAME THING. SEAT BELTS ARE MANUFACTURED BY ANJOU AERONAUTIQUE, THERE IS A SOCATA SERVICE LETTER SL70-027 THAT INFORMS USERS ABOUT POSSIBILITY OF REPLACEMENTS AND MENTIONS FRENCH AD 2002-104 & 2002-105, BUT DOES NOT INDICATE THE SERIOUSNESS OF THE PROBLEM. THE SUBMITTER BELIEVES THAT THIS IS A SERIOUS SAFETY ISSUE AS THEY HAVE FOUND ALL LIKE BELTS IN ANOTHER AIRCRAFT WILL FAIL TO HOLD IN THE SAME MANOR AND RECOMMENDS IMMEDIATE INSPECTION AND REPLACEMENT OF THE EFFECTED SEAT BELTS. THIS ORIGINALLY SUBMITTED TO GL-19 BY PAT BEATY @ IMAGE AIR. INC. (BNGR)

ОМВ	No.	2120-00	03
		1	_

					CIVID IVO.	LILO	3000
FEDERAL AVIATION ADMINISTRATION		OPER. Control No.		Comments (Describe the malfunction or defect and the circumstances under which it occurred. State probable cause and recommendations to prevent recurrence.)	ь	OPERATOR DESIGNATOR	
		ATA Code		it occurred. State probable cause and recommendations to prevent recurrence.)	DISTRICT	ERA.	
MALFUNCTION	OR DEFECT REPORT	1. A/C Reg. No.	N-		8°	68	
Enter pertinent data	MANUFACTURER	MODEL/SERIES	SERIAL NUMBER		뜊		
2. AIRCRAFT					ТЕВ	+	
3. POWERPLAN	г				соммп		
4. PROPELLER					FAA		
5. SPECIFIC PART (of component) CAUSING TI	ROUBLE		1	ģ		
Part Name	MFG. Model or Part No.	Serial No.	Part/Defect Location.		ž	1	ı
					AIR TAXI		_
6. APPLIANCE/COM	IPONENT (Assembly that in	cludes part)			Ξ	1	- 1
Comp/Appl Name	Manufacturer	Model or Part No.	Serial Number	1	MEC		_ _
				Optional Information:	OPER.	BY:	NUMBER
Part TT	Part TSO F	art Condition	7. Date Sub.	Check a box below, if this report is related to an aircraft	₹	녵	HONE
				Accident; Date Incident; Date	REP.ST.	SUBMITTED	TELEPHONE
FAA FORM 8010-4 (10-92) SUPERSEDES PRE	VIOUS EDITIONS					

Use this space for continuation of Block 8 (if required).	

U.S. Department of Transportation

Federal Aviation Administration

Flight Standards Service Designee Standardization Branch P.O. Box 25082 Oklahoma City, OK 73125-5029 **AFS-640**

Official Business Penalty for Private Use \$300



NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 12438 WASHINGTON, D. C.

Federal Aviation Administration AFS-640 (Alerts) P.O. Box 25082 Oklahoma City, OK 73125-5029